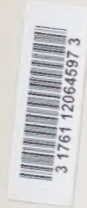


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CANADIAN ARCTIC GAS PIPELINE LIMITED



AMENDMENTS TO  
**ALIGNMENT SHEETS**

SECTION 8 a 3

AND

**DESIGN DRAWINGS**

SECTION 8 b 3

AND

**FLOW DIAGRAMS**

SECTION 8 b 4

(RESIZED DELIVERY LINES SOUTH OF CAROLINE)

# AMENDMENTS TO ALIGNMENT SHEETS, DESIGN DRAWINGS & FLOW DIAGRAMS.

## ALIGNMENT SHEETS

CAROLINE TO KINGSGATE  
2C-0200-1001 to 1025

CAROLINE TO MONCHY  
2B-0200-1001 to 1031

The alignment sheets bound in this volume replace the sheets of the same number filed by Applicant on March 21, 1974. The enclosed alignment sheets reflect the changes in pipe and station sizes that are the subject of this amendment.

## DESIGN DRAWINGS

H-10 KOOTENAY RIVER CROSSING

F-1 TYPICAL UNCASSED ROAD CROSSING  
& CASSED RAILWAY CROSSING

A-1 TYPICAL COMPRESSOR STATION  
CONFIGURATIONS

These revised design drawings have been included to show those facilities affected by the pipe and station size changes.

## FLOW DIAGRAMS

I-1 FLOW DIAGRAM, AVERAGE WINTER CONDITIONS - OPERATING YEAR 1  
I-2 FLOW DIAGRAM, AVERAGE SUMMER CONDITIONS - OPERATING YEAR 1  
I-3 FLOW DIAGRAM, AVERAGE WINTER CONDITIONS - OPERATING YEAR 2  
I-4 FLOW DIAGRAM, AVERAGE SUMMER CONDITIONS - OPERATING YEAR 2  
I-5 FLOW DIAGRAM, AVERAGE WINTER CONDITIONS - OPERATING YEAR 3  
I-6 FLOW DIAGRAM, AVERAGE SUMMER CONDITIONS - OPERATING YEAR 3  
I-7 FLOW DIAGRAM, AVERAGE WINTER CONDITIONS - OPERATING YEAR 4  
I-8 FLOW DIAGRAM, AVERAGE SUMMER CONDITIONS - OPERATING YEAR 4  
I-9 FLOW DIAGRAM, AVERAGE WINTER CONDITIONS - OPERATING YEAR 5  
I-10 FLOW DIAGRAM, AVERAGE SUMMER CONDITIONS - OPERATING YEAR 5

The flow diagrams bound in this volume replace the diagrams previously filed, in their entirety. The flow diagrams reflect the maximum capacity of the entire pipeline system, assuming that the gas supply and delivery volumes are in the same proportion as the design gas volumes set forth in Table 1 of Subsection 8.b.1.











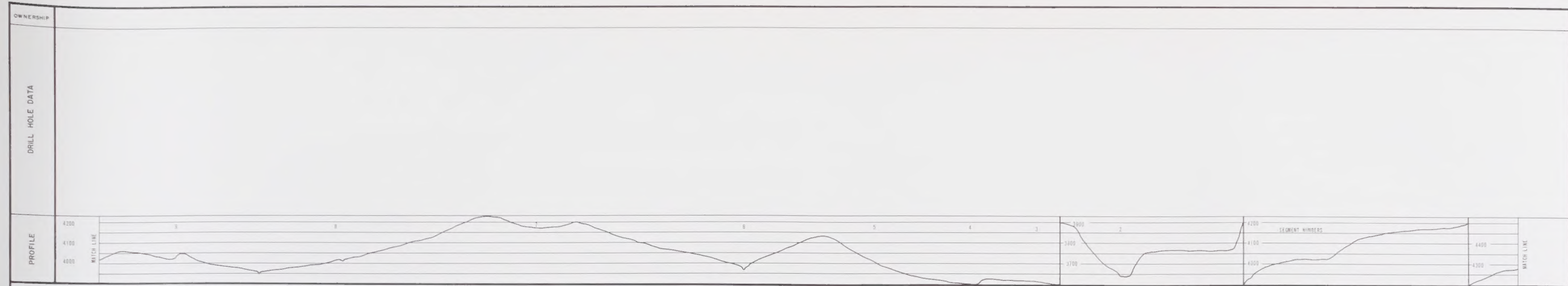




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PIPELINE LEGEND										PIPE DATA		QUAN	MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG. NO.	GENERAL NOTES:		AERIAL PHOTOGRAPHY		REV. DATE	REVISION	APPROVED	NORTHERN ENGINEERING SERVICES COMPANY LIMITED CALGARY, ALBERTA ENGINEERS FOR CANADIAN ARCTIC GAS PIPELINE LIMITED	
CARRIER PIPE (10mm WAVE)	POINT OF INTERSECTION	PERMANENT ROAD	CARRIER - 36" O.D. x 0.54" W.T. GRADE 70	QUAN	DESCRIPTION	BEGIN NO.												1. SEGMENT WILPOST EQUALS MATCH LINE WILPOST PLUS CHAINAGE VALUE	ROLL NO.	PHOTO NO.	1 8/75	SOUTH OF CAROLINE			2C-0200-1004	
CARRIER PIPE (10mm CORR)	SMALL HOLE LOCATION	TEMPORARY ROAD	HEAVY WALL - 36" O.D. x 0.776" W.T. GRADE 65														2. MINIMUM DEPTH OF COVER = 2.0 FEET	0873158	38 - 47							
BURN WELD	WARNING SIGN	WELPAD																								
SWAMP WEIGHT	WILDEST SIGN ANCHOR	MEASURING STATION																								
RIVER WEIGHT	CHARGE LOCATION	COMMUNICATIONS TOWER																								
FROST ANCHOR	COMPRESSOR STATION																									
SCREW ANCHOR	AIR STRIP	WINTER TRAIL																								
HEAVY WALL PIPE	STORAGE OR STAGING AREA		COATING DATA																							
CADING PIPE	CAMP SITE																									
ANCHOR BLOCK (SQUARE)	STAGING AREA & CAMP SITE																									
BLOCK VALVE	BORROW SITE																									
TEST LEAD & DIRECTION OF WIRE	WELPAD																									





CONSTRUCTION DATA				REFERENCE DRAWINGS & NOTES		FOOTAGE THIS SHEET	
SEGMENT NO.	SEGMENT LENGTH	DESIGN DATA	CHARGE (min)				
0	1.91	R040	13.00	4-0100-0003	0.0	0.0	0.0
1	8.33	R040		4-0100-0003	0.0	0.0	0.0
2	3.90	R040		4-0100-0003	0.0	0.0	0.0
3	0.00	R040		4-0100-0003	0.0	0.0	0.0
4	1.33	R040		4-0100-0003	0.0	0.0	0.0
5	0.03	R040		4-0100-0003	0.0	0.0	0.0
6	2.08	R040		4-0100-0003	0.0	0.0	0.0
7	0.14	R040		4-0100-0003	0.0	0.0	0.0
8	3.55	R040		4-0100-0003	0.0	0.0	0.0
9	0.0	R040		4-0100-0003	0.0	0.0	0.0

[illegible]











CONSTRUCTION DATA					REFERENCE DRAWINGS & NOTES
SEGMENT NO.	SEGMENT LENGTH	BUOY	DESIGN DATA	CHAINAGE (miles)	
8	7.31	B-0	READ	13.44	SWITCH LINE 91.72 4-0100-0003
7	3.22	B-0	READ	11.07 11.84	4-0100-0003
6	0.08	N/A	READ	7.82 7.74	4-0100-0003
5	3.71	B-0	READ		4-0210-1000 0300-0000 4-0100-0003
4	0.11	B-1	READ	4.03 3.92	4-0100-0003
3	2.00	B-0	READ		4-0100-0003
2	0.08	N/A	READ	1.97 1.84	4-0210-1000
1	1.84	B-0	READ		4-0100-0003
				0.0	SWITCH LINE 77.70 4-0100-0003

00.51.0

SCALE (miles)

FOOTAGE  
THIS  
SHEET

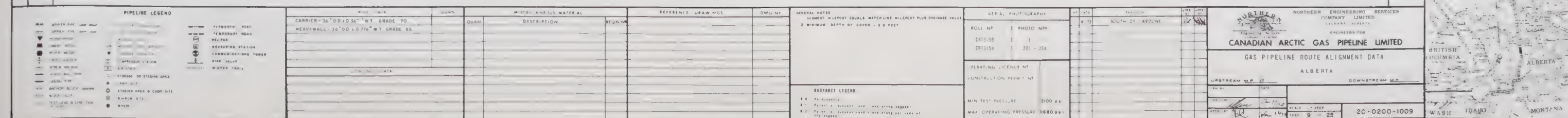
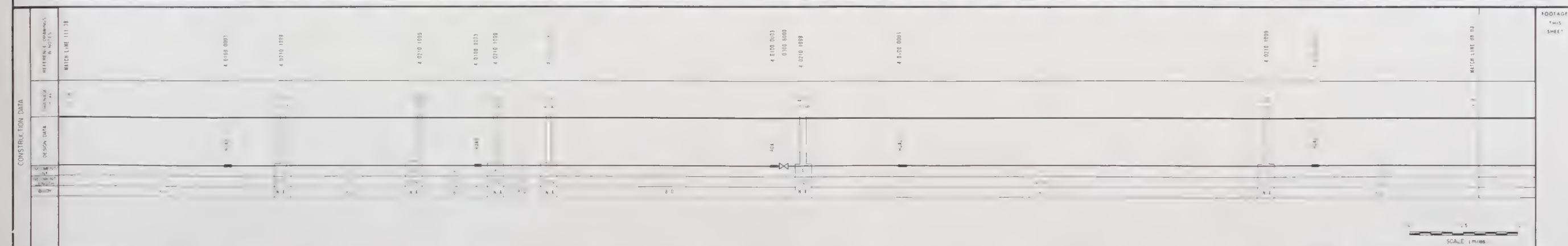
PIPELINE LEGEND		PIPE DATA		QUAN.		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG. NO.		GENERAL NOTES:		AERIAL PHOTOGRAPHY		REV. DATE		REVISION		APPROVED BY		NORTHERN ENGINEERING SERVICES COMPANY LIMITED	
		CARRIER - 36" O.D. x 0.56" W.T. GRADE 70		QUAN.		DESCRIPTION						1. SEGMENT MILEPOST EQUALS MATCHLINE MILEPOST PLUS CHAINAGE VALUE.		ROLL NO.		1/8/75		SOUTH OF CAROLINE					
		HEAVY WALL - 36" O.D. x 0.778" W.T. GRADE 85										2. MINIMUM DEPTH OF COVER = 2.0 FEET		PHOTO NOS.								ENGINEERS FOR CANADIAN ARCTIC GAS PIPELINE LIMITED	
		COATING DATA												OPERATING LICENCE NO.								ALBERTA	
														CONSTRUCTION PERMIT NO.								UPSTREAM M.P. 78	
														MIN TEST PRESSURE		2100 p.s.i.						DOWNSTREAM M.P. 81	
														MAX. OPERATING PRESSURE		1680 p.s.i.						SCALE: 1" = 2000'	
																						SHEET 7 OF 24	
																						2C-0200-1007	











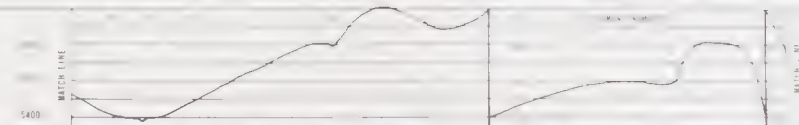










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PIPELINE LEGEND		PIPE DATA		JUAN		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG NO		GENERAL NOTES:		AERIAL PHOTOGRAPHY		NORTHERN ENGINEERING SERVICES							
<p>  POINT OF INTERSECTION   TEMPORARY ROAD   BOUNDARY SURVEY   COMPRESSION STATION   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  PERMANENT ROAD   WELLHEAD   PRODUCTION STATION   GASIFICATION STATION   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR CAMP SITE   BORROWS SITE   QUARRY </p>	<p>  CARRIER PIPE   HEAVY WALL PIPE   GAS VALVE   WATER VALVE   AIR STRIP   STORAGE OR STAGING AREA   CAMP SITE   STAGING AREA OR</p>













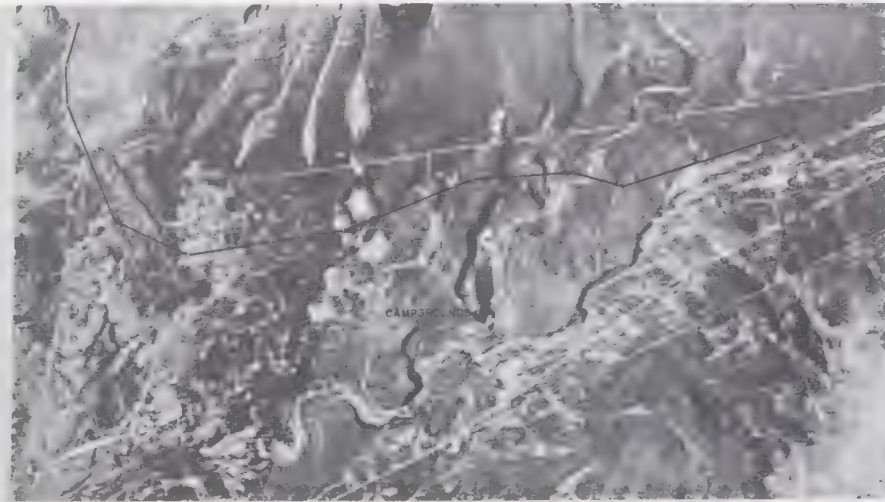
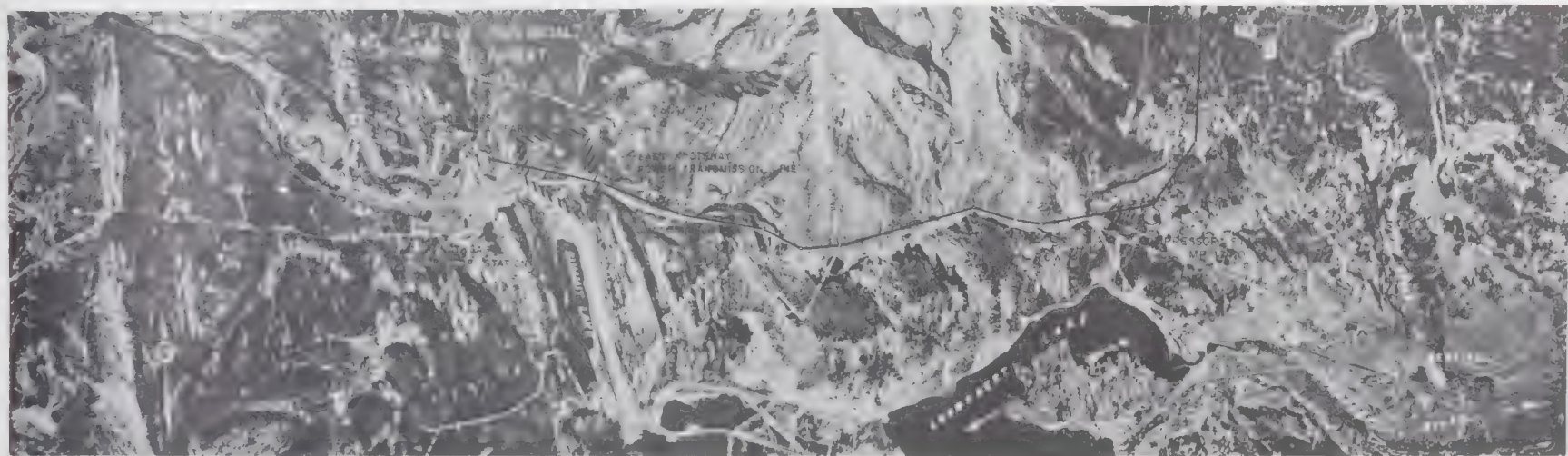
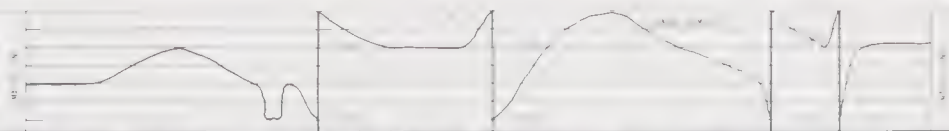




2 W N E R S - 4

DRILL HOLE DATA

## PROFILE

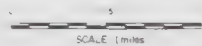


CONSTRUCTION DATA

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—

1.  $\text{C}_2\text{H}_5\text{Br}$   
 2.  $\text{C}_2\text{H}_5\text{I}$   
 3.  $\text{C}_2\text{H}_5\text{Cl}$

 $\gamma \in \mathbb{R}^+$ [illegible]



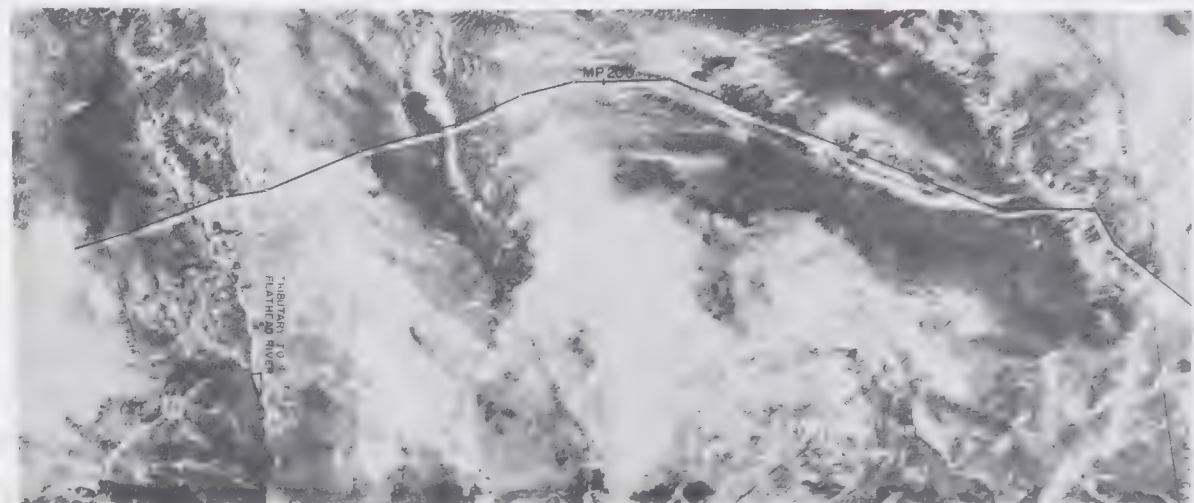
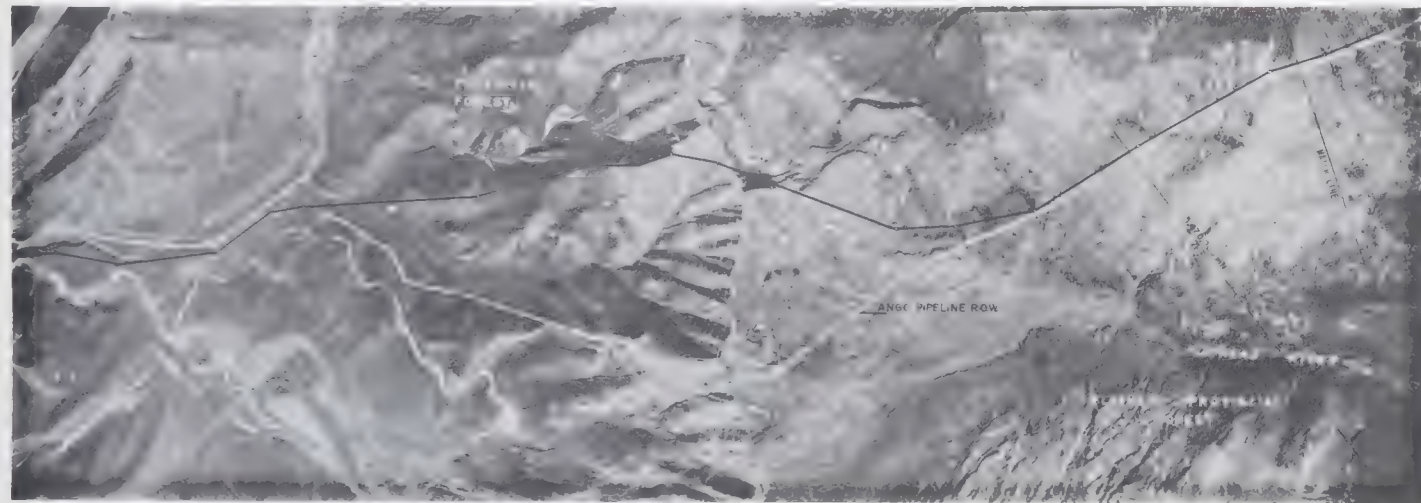








OWNERSHIP	DRILL HOLE DATA	PROFILE



CONSTRUCTION DATA				FOOTAGE THIS SHEET
STATION	DESCRIPTION	DATE	BY	
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0+20	20' DISTANCE			
0+30	30' DISTANCE			
0+40	40' DISTANCE			
0+50	50' DISTANCE			
0+60	60' DISTANCE			
0+70	70' DISTANCE			
0+80	80' DISTANCE			
0+90	90' DISTANCE			
1+00	100' DISTANCE			
1+10	110' DISTANCE			
1+20	120' DISTANCE			
1+30	130' DISTANCE			
1+40	140' DISTANCE			
1+50	150' DISTANCE			
1+60	160' DISTANCE			
1+70	170' DISTANCE			
1+80	180' DISTANCE			
1+90	190' DISTANCE			
2+00	200' DISTANCE			
2+10	210' DISTANCE			
2+20	220' DISTANCE			
2+30	230' DISTANCE			
2+40	240' DISTANCE			
2+50	250' DISTANCE			
2+60	260' DISTANCE			
2+70	270' DISTANCE			
2+80	280' DISTANCE			
2+90	290' DISTANCE			
3+00	300' DISTANCE			
3+10	310' DISTANCE			
3+20	320' DISTANCE			
3+30	330' DISTANCE			
3+40	340' DISTANCE			
3+50	350' DISTANCE			
3+60	360' DISTANCE			
3+70	370' DISTANCE			
3+80	380' DISTANCE			
3+90	390' DISTANCE			
4+00	400' DISTANCE			
4+10	410' DISTANCE			
4+20	420' DISTANCE			
4+30	430' DISTANCE			
4+40	440' DISTANCE			
4+50	450' DISTANCE			
4+60	460' DISTANCE			
4+70	470' DISTANCE			
4+80	480' DISTANCE			
4+90	490' DISTANCE			
5+00	500' DISTANCE			
5+10	510' DISTANCE			
5+20	520' DISTANCE			
5+30	530' DISTANCE			
5+40	540' DISTANCE			
5+50	550' DISTANCE			
5+60	560' DISTANCE			
5+70	570' DISTANCE			
5+80	580' DISTANCE			
5+90	590' DISTANCE			
6+00	600' DISTANCE			
6+10	610' DISTANCE			
6+20	620' DISTANCE			
6+30	630' DISTANCE			
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7+50	750' DISTANCE			
7+60	760' DISTANCE			
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9+70	970' DISTANCE			
9+80	980' DISTANCE			
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10+70	1070' DISTANCE			
10+80	1080' DISTANCE			
10+90	1090' DISTANCE			
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11+20	1120' DISTANCE			
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11+70	1170' DISTANCE			
11+80	1180' DISTANCE			
11+90	1190' DISTANCE			
12+00	1200' DISTANCE			
12+10	1210' DISTANCE			
12+20	1220' DISTANCE			
12+30	1230' DISTANCE			
12+40	1240' DISTANCE			
12+50	1250' DISTANCE			
12+60	1260' DISTANCE			
12+70	1270' DISTANCE			
12+80	1280' DISTANCE			
12+90	1290' DISTANCE			
13+00	1300' DISTANCE			
13+10	1310' DISTANCE			
13+20	1320' DISTANCE			
13+30	1330' DISTANCE			
13+40	1340' DISTANCE			
13+50	1350' DISTANCE			
13+60	1360' DISTANCE			
13+70	1370' DISTANCE			
13+80	1380' DISTANCE			
13+90	1390' DISTANCE			
14+00	1400' DISTANCE			
14+10	1410' DISTANCE			
14+20	1420' DISTANCE			
14+30	1430' DISTANCE			
14+40	1440' DISTANCE			
14+50	1450' DISTANCE			
14+60	1460' DISTANCE			
14+70	1470' DISTANCE			
14+80	1480' DISTANCE			
14+90	1490' DISTANCE			
15+00	1500' DISTANCE			
15+10	1510' DISTANCE			
15+20	1520' DISTANCE			
15+30	1530' DISTANCE			
15+40	1540' DISTANCE			
15+50	1550' DISTANCE			
15+60	1560' DISTANCE			
15+70	1570' DISTANCE			
15+80	1580' DISTANCE			
15+90	1590' DISTANCE			
16+00	1600' DISTANCE			
16+10	1610' DISTANCE			
16+20	1620' DISTANCE			
16+30	1630' DISTANCE			
16+40	1640' DISTANCE			
16+50	1650' DISTANCE			
16+60	1660' DISTANCE			
16+70	1670' DISTANCE			
16+80	1680' DISTANCE			
16+90	1690' DISTANCE			
17+00	1700' DISTANCE			
17+10	1710' DISTANCE			
17+20	1720' DISTANCE			
17+30	1730' DISTANCE			
17+40	1740' DISTANCE			
17+50	1750' DISTANCE			
17+60	1760' DISTANCE			
17+70	1770' DISTANCE			
17+80	1780' DISTANCE			
17+90	1790' DISTANCE			
18+00	1800' DISTANCE			
18+10	1810' DISTANCE			
18+20	1820' DISTANCE			
18+30	1830' DISTANCE			
18+40	1840' DISTANCE			
18+50	1850' DISTANCE			
18+60	1860' DISTANCE			
18+70	1870' DISTANCE			
18+80	1880' DISTANCE			
18+90	1890' DISTANCE			
19+00	1900' DISTANCE			
19+10	1910' DISTANCE			
19+20	1920' DISTANCE			
19+30	1930' DISTANCE			
19+40	1940' DISTANCE			
19+50	1950' DISTANCE			
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19+80	1980' DISTANCE			
19+90	1990' DISTANCE			
20+00	2000' DISTANCE			
20+10	2010' DISTANCE			
20+20	2020' DISTANCE			
20+30	2030' DISTANCE			
20+40	2040' DISTANCE			
20+50	2050' DISTANCE			
20+60	2060' DISTANCE			
20+70	2070' DISTANCE			
20+80	2080' DISTANCE			
20+90	2090' DISTANCE			
21+00	2100' DISTANCE			
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21+20	2120' DISTANCE			
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21+50	2150' DISTANCE			
21+60	2160' DISTANCE			
21+70	2170' DISTANCE			
21+80	2180' DISTANCE			
21+90	2190' DISTANCE			
22+00	2200' DISTANCE			
22+10	2210' DISTANCE			
22+20	2220' DISTANCE			
22+30	2230' DISTANCE			
22+40	2240' DISTANCE			
22+50	2250' DISTANCE			
22+60	2260' DISTANCE			
22+70	2270' DISTANCE			
22+80	2280' DISTANCE			
22+90	2290' DISTANCE			
23+00	2300' DISTANCE			
23+10	2310' DISTANCE			
23+20	2320' DISTANCE			
23+30	2330' DISTANCE			
23+40	2340' DISTANCE			
23+50	2350' DISTANCE			
23+60	2360' DISTANCE			
23+70	2370' DISTANCE			
23+80	2380' DISTANCE			
23+90	2390' DISTANCE			
24+00	2400' DISTANCE			
24+10	2410' DISTANCE			
24+20	2420' DISTANCE			
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24+60	2460' DISTANCE			
24+70	2470' DISTANCE			
24+80	2480' DISTANCE			
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25+00	2500' DISTANCE			
25+10	2510' DISTANCE			
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25+70	2570' DISTANCE			
25+80	2580' DISTANCE			
25+90	2590' DISTANCE			
26+00	2600' DISTANCE			
26+10	2610' DISTANCE			
26+20	2620' DISTANCE			
26+30	2630' DISTANCE			
26+40	2640' DISTANCE			
26+50	2650' DISTANCE			
26+60	2660' DISTANCE			
26+70	2670' DISTANCE			
26+80	2680' DISTANCE			
26+90	2690' DISTANCE			
27+00	2700' DISTANCE			
27+10	2710' DISTANCE			
27+20	2720' DISTANCE			
27+30	2730' DISTANCE			
27+40	2740' DISTANCE			
27+50	2750' DISTANCE			
27+60	2760' DISTANCE			
27+70	2770' DISTANCE			
27+80	2780' DISTANCE			
27+90	2790' DISTANCE			
28+00	2800' DISTANCE			
28+10	2810' DISTANCE			
28+20	2820' DISTANCE			
28+30	2830' DISTANCE			
28+40	2840' DISTANCE			
28+50	2850' DISTANCE			
28+60	2860' DISTANCE			
28+70	2870' DISTANCE			
28+80	2880' DISTANCE			
28+90	2890' DISTANCE			
29+00	2900' DISTANCE			
29+10	2910' DISTANCE			
29+20	2920' DISTANCE			
29+30	2930' DISTANCE			
29+40	2940' DISTANCE			
29+50	2950' DISTANCE			
29+60	2960' DISTANCE			
29+70	2970' DISTANCE			
29+80	2980' DISTANCE			
29+90	2990' DISTANCE			
30+00	3000' DISTANCE			
30+10	3010' DISTANCE			
30+20	3020' DISTANCE			
30+30	3030' DISTANCE			
30+40	3040' DISTANCE			
30+50	3050' DISTANCE			
30+60	3060' DISTANCE			
30+70	3070' DISTANCE			
30+80	3080' DISTANCE			
30+90	3090' DISTANCE			
31+00	3100' DISTANCE			
31+10	3110' DISTANCE			
31+20	3120' DISTANCE			
31+30	3130' DISTANCE			
31+40	3140' DISTANCE			
31+50	3150' DISTANCE			
31+60	3160' DISTANCE			
31+70	3170' DISTANCE			
31+80	3180' DISTANCE			
31+90	3190' DISTANCE			
32+00	3200' DISTANCE			
32+10	3210' DISTANCE			
32+20	3220' DISTANCE			
32+30	3230' DISTANCE			
32+40	3240' DISTANCE			
32+50	3250' DISTANCE			
32+60	3260' DISTANCE			
32+70	3270' DISTANCE			
32+80	3280' DISTANCE			
32+90	3290' DISTANCE			

PIPELINE LEGEND		PIPE DATA		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG NO.		GENERAL NOTES:		AERIAL PHOTOGRAPHY		NORTHERN ENGINEERING SERVICES				
<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  POINT OF INTERSECTION   DRILL HOLE LOCATION   WARNING SIGN   OBSTRUCTION SIGN   COMPRESSOR STATION   AIR STOP   STORAGE OR STACKING AREA   CAMP SITE   STEEL WATER &amp; GAS LINE   ELECTRIC LINE   WATER </p>	<p>  PERMANENT ROAD   TEMPORARY ROAD   INLAND   OVERHEAD STATION   OVERHEAD STATION TOWER   SIDE VALVE   WINTER TRAIL </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW ANCHOR   HEAVY WALL PIPE   JUNCTION PIPE   ANCHOR BLOCK (CONCRETE)   BLOCK VALVE   TEST LEAK &amp; CHECK VALVE </p>	<p>  CARRIER PIPE (1000 mm dia)   CARRIER PIPE (1000 mm dia)   BELTED PIPE   THRUST WEIGHT   BELTED WEIGHT   FROST ANCHOR   SCREW</p>













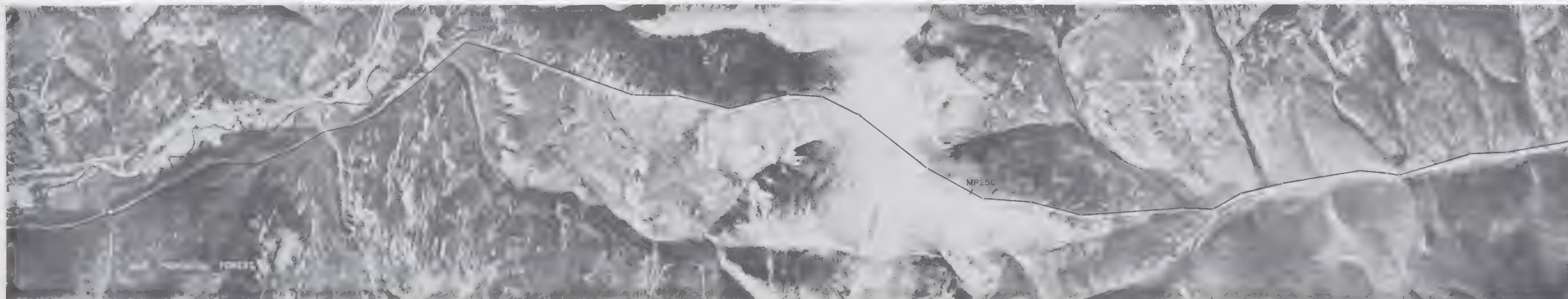
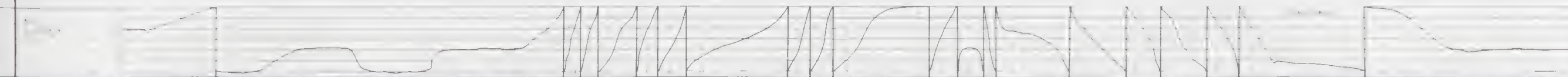




OWNERSHIP P

DRILL HOLE DATA

## PROFILE



CONSTRUCTION DATA

$$N_{\text{eff}} = 1.75 \times 10^8 \text{ cm}^{-2}$$

440















































































5	4
2	3

FOOTAGE
FW-5
SHEET

UTM GRID ZONE '

SCALE 1 (m) 1000

### PIPELINE LEGEND


	LINE IN PIPE CROSS BRUSH		POINT OF INTEREST (ON)		PERMANENT ROAD
	ADDED IN PIPE		POINT OF INTEREST (OFF)		TEMPORARY ROAD
	PIPED BRUSH		ADDED IN LOCATION		BRIDGES
	ADDED BRUSH		ADDED IN LOCATION		RELOCATING STATION
	ADDED BRUSH		ADDED IN LOCATION		COMMUNICATIONS POWER
	ADDED BRUSH		ADDED IN LOCATION		PIPE VALVE
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND
	ADDED BRUSH		ADDED IN LOCATION		UNDERGROUND

[illegible]

GENERAL NOTES  
1 SEGMENT W/LEPOST EQUALS MATCH LINE W/LEPOST PLUS CHAINAGE VALUE  
2 MINIMUM DEPTH OF COVER = 2.0 FEET

BUDGET LINE	
0-0	Re Budget
0-1	Potential budgetary impact of the proposed project
0-2	Potential budgetary impact of the proposed project

AERIAL PHOTOGRAPHY		NT	DATE	REGION	STATE
W. NT	PHOTO NO.	1	1964	NORTH CAROLINE	✓
102135	60-70				
OPERATING LICENCE NT					
CONSTRUCTION PERMIT NT					
MIN TEST PRESSURE					
MAX OPERATING PRESSURE					
	2100 p.s.i.				
	1680 p.s.i.				

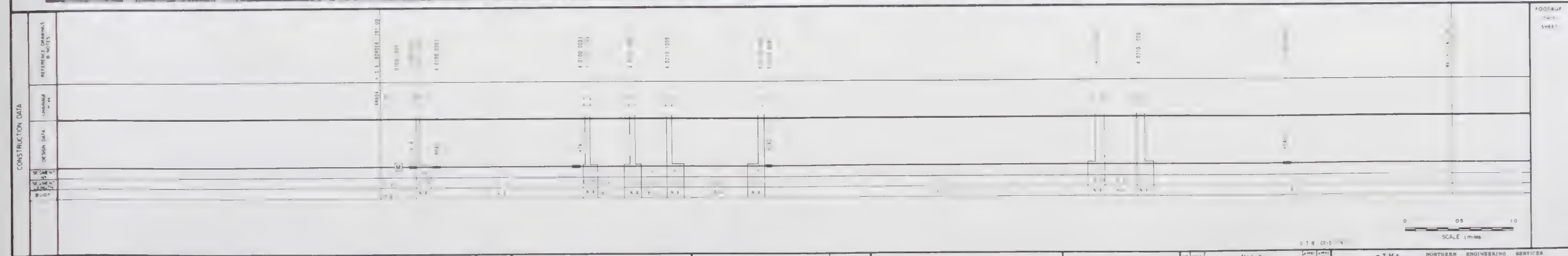
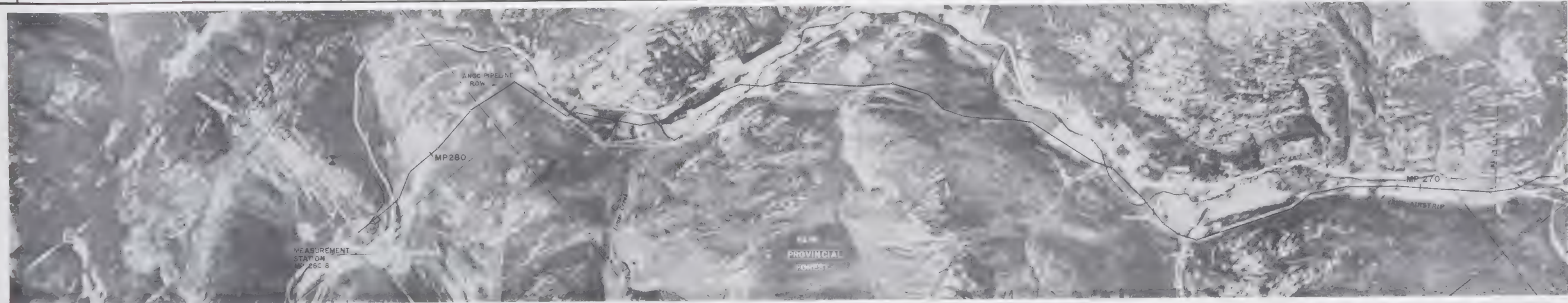
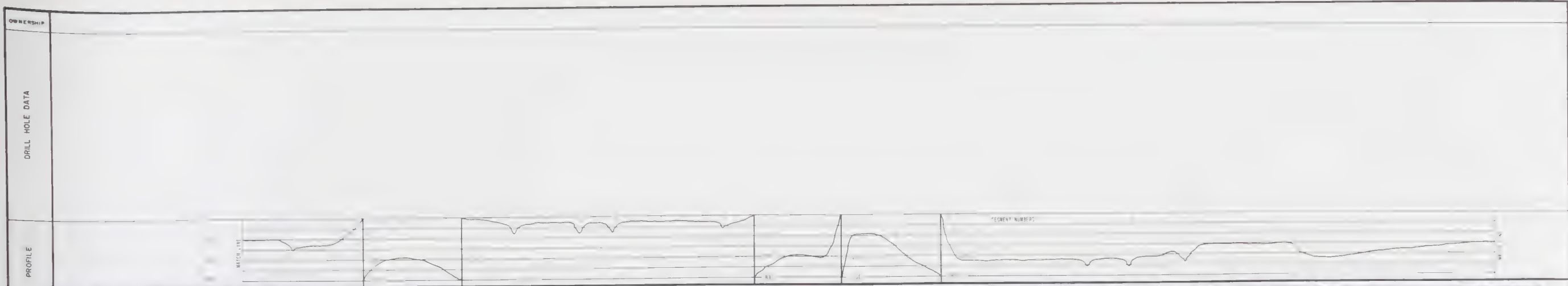
		NORTHERN ENGINEERING SERVICES COMPANY LIMITED SUITE 100, 1007-101 EDMONTON, ALBERTA T6E 1P4	
ENGINEERS FOR CANADIAN ARCTIC GAS PIPELINE LIMITED			
GAS PIPELINE ROUTE ALIGNMENT DATA BRITISH COLUMBIA			
UPSTREAM M.B. 245		DOWNSTREAM M.B.	
DATE	TIME	SCALE 1" = 1000'	
10/1/78	10:00	10/1/78 10:00	
2C-0200-10			











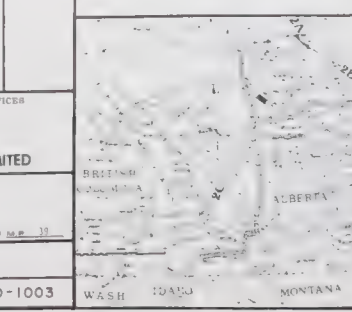








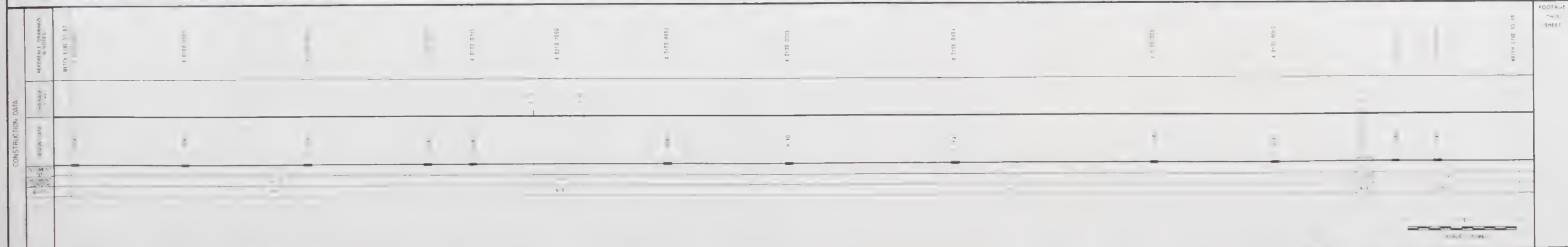
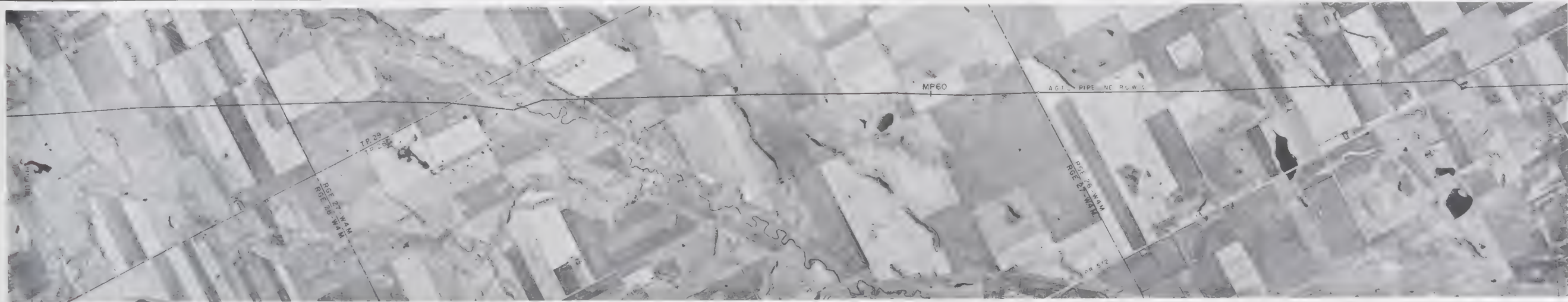


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PIPELINE LEGEND		PIPE DATA		QUAN		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG NO		GENERAL NOTES:		AERIAL PHOTOGRAPHY		DATE		REVISION		DRAWN		CHECKED	
<p>POINT OF INTERSECTION</p> <p>ADDRESS SIGN</p> <p>MILEPOST (KIA ADDRESS)</p> <p>MEASURE STATION</p> <p>CHANGING LOCATION</p> <p>COMPRESSION STATION</p> <p>END STATION</p> <p>STORAGE OR STAGING AREA</p> <p>CAMP SITE</p> <p>STORAGE AREA &amp; CAMP SITE</p> <p>BURROW SITE</p> <p>WATER</p>		<p>CARRIER - 48" OD x 0.720" WT GRADE 70</p> <p>HEAVYWALL - 48" OD x 1.034" WT GRADE 65</p> <p>COATING DATA</p>				<p>DESCRIPTION</p> <p>BEIGN</p>						<p>GENERAL NOTES:</p> <p>1. SEASIDE MILEPOST EQUALS WATCHLINE MILEPOST PLUS CHAIRBAE VALVE</p> <p>2. MINIMUM DEPTH OF COVER = 8.5 FEET</p>		<p>ROLL NO</p> <p>CR73155</p> <p>PHOTO NO</p> <p>47 51</p>		<p>DATE</p> <p>1 8/75</p> <p>REVISION</p> <p>SOUTH OF CAROLINE</p>		<p>DRAWN</p> <p>CHECKED</p>		<p>NORTHERN ENGINEERING SERVICES COMPANY LIMITED</p> <p>CANADIAN ARCTIC GAS PIPELINE LIMITED</p> <p>ENGINEERS FOR</p>		<p>ALBERTA</p> <p>UPSTREAM M.P. 51</p> <p>DOWNSTREAM M.P. 65</p> <p>28-0200-1005</p>	



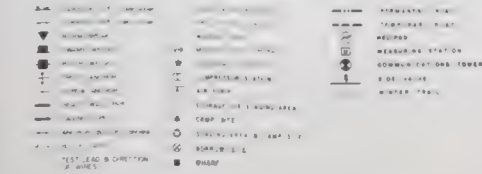
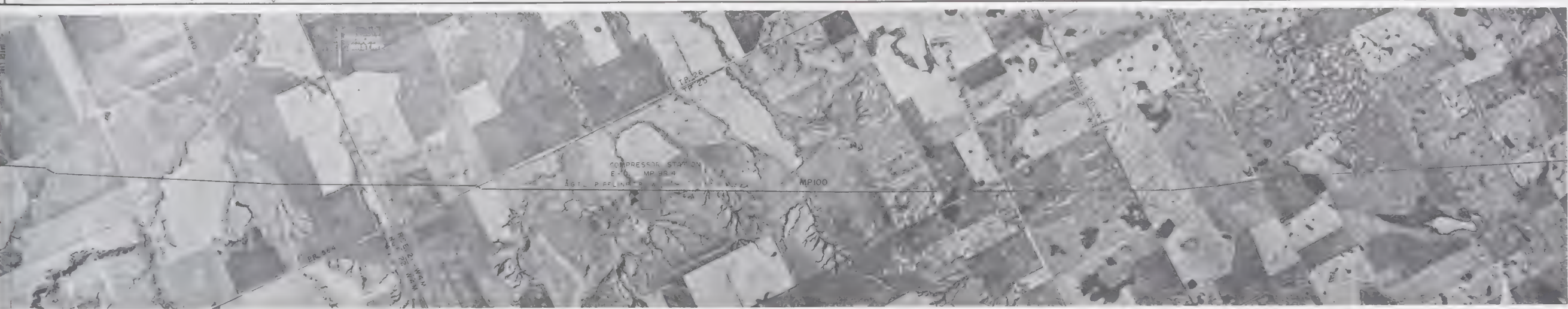








profile

[illegible]

VENERA NOTES

1 DESSERT WILEPOST EQUALS MATCHLINE WILEPOST PLUS CHAINAGE VALUE  
2 MINIMUM DEPTH OF COVER = 8 FEET

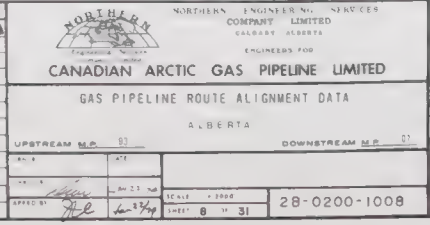
FODMAN - LEGNO

A-0 A. MONTAGNA

B-0 Pictorial of mountain road from camp station

D-0 Pictorial of hospital road/route + map of route at  
the camp

AERIAL PHOTOGRAPHY		DATE		TIME	
ROLL NO	PHOTO NO	1	8/75	SOUTH OF CAROLINE	
CR73155	78 89				
CONSTRUCTION PERMIT NO					
MFG. TOL. VOLUME					
MAX. OPERATING PRESSURE					





[illegible]

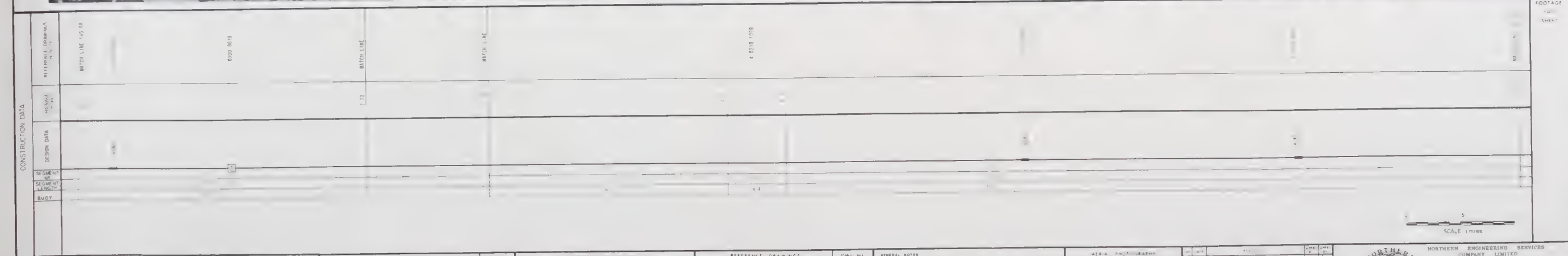
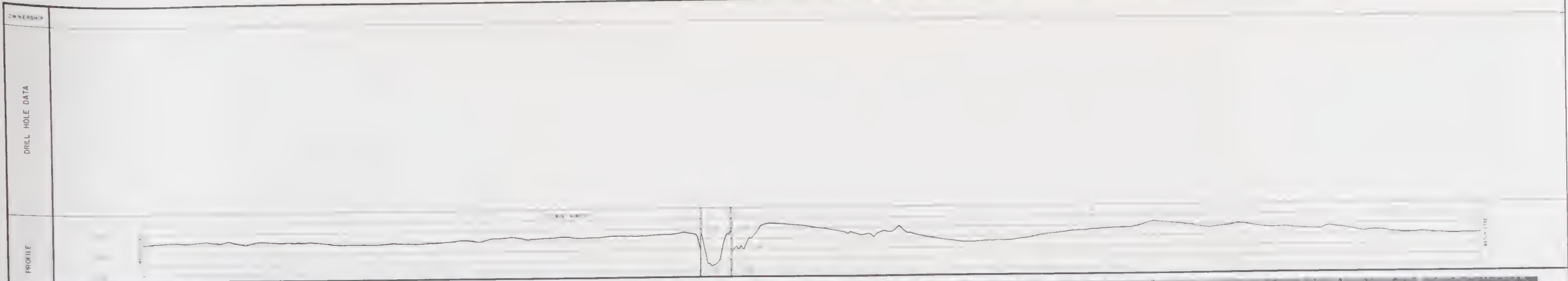












PIPELINE LEGEND		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		GENERAL NOTES		AERIAL PHOTOGRAPHY		SCHEMATIC DRAWING		NORTHERN ENGINEERING SERVICES COMPANY LIMITED	
ADDER PIPE	ADDER PIPE	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	1. SEGMENT WILPOST EQUALS MATCH LINE WILPOST PLUS CHARGE VALUE	ROLL NO.	PHOTOGRAPHY	SCHEMATIC DRAWING	ENGINEERS FOR	ENGINEERS FOR	CANADIAN ARCTIC GAS PIPELINE LIMITED	
ADDER PIPE	ADDER PIPE					2. MINIMUM DEPTH OF COVER = 3.0 FEET	CRIT. 55					GAS PIPELINE ROUTE ALIGNMENT DATA	
ADDER PIPE	ADDER PIPE											ALBERTA	
ADDER PIPE	ADDER PIPE											UPSTREAM M.P. DOWNSTREAM M.P.	
ADDER PIPE	ADDER PIPE											28-0200-1012	

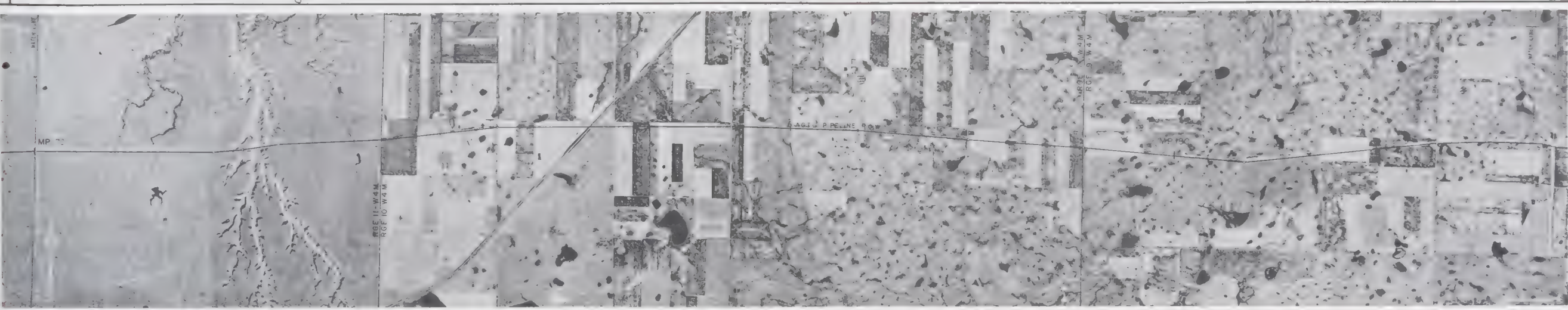
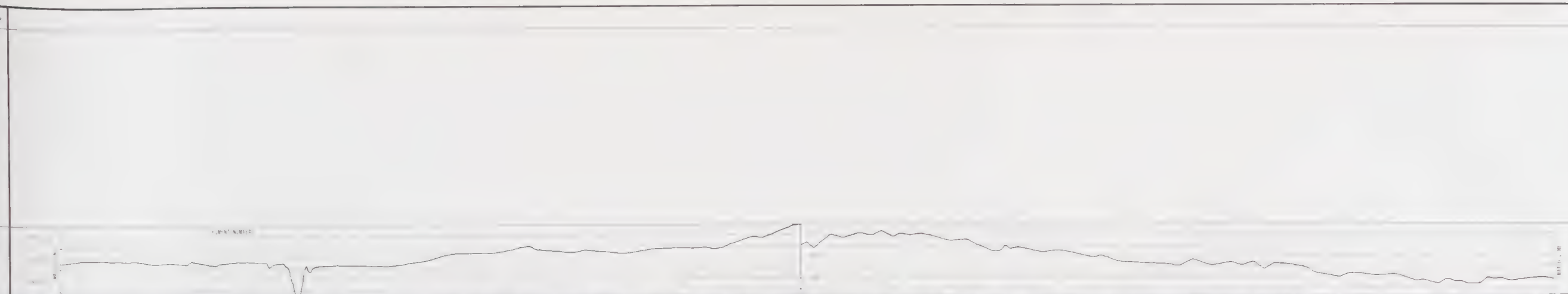




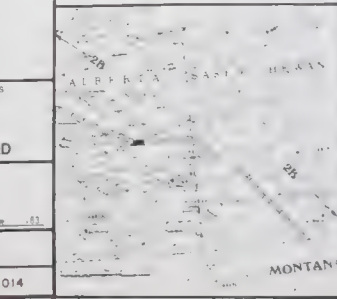


PROFILE	DRILL HOLE DATA

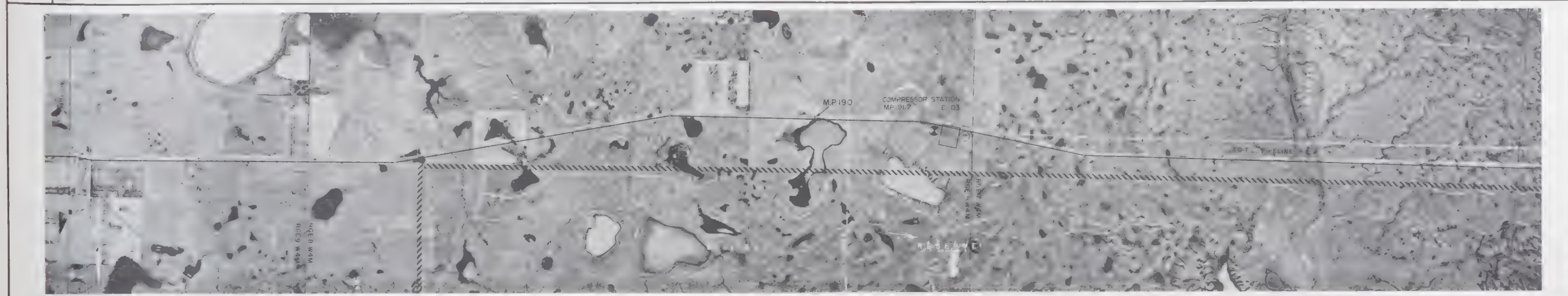
1000 JOURNAL OF CLIMATE



CONSTRUCTION DATA			
DATE	BY	REVISION	DESCRIPTION
10/10/00	W. J. B.	1	INITIAL DESIGN
11/10/00	W. J. B.	2	REVISIONS TO DESIGN
12/10/00	W. J. B.	3	FINAL DESIGN
01/11/01	W. J. B.	4	CONSTRUCTION DATA
02/11/01	W. J. B.	5	CONSTRUCTION DATA
03/11/01	W. J. B.	6	CONSTRUCTION DATA
04/11/01	W. J. B.	7	CONSTRUCTION DATA
05/11/01	W. J. B.	8	CONSTRUCTION DATA
06/11/01	W. J. B.	9	CONSTRUCTION DATA
07/11/01	W. J. B.	10	CONSTRUCTION DATA
08/11/01	W. J. B.	11	CONSTRUCTION DATA
09/11/01	W. J. B.	12	CONSTRUCTION DATA
10/11/01	W. J. B.	13	CONSTRUCTION DATA
11/11/01	W. J. B.	14	CONSTRUCTION DATA
12/11/01	W. J. B.	15	CONSTRUCTION DATA
01/12/01	W. J. B.	16	CONSTRUCTION DATA
02/12/01	W. J. B.	17	CONSTRUCTION DATA
03/12/01	W. J. B.	18	CONSTRUCTION DATA
04/12/01	W. J. B.	19	CONSTRUCTION DATA
05/12/01	W. J. B.	20	CONSTRUCTION DATA
06/12/01	W. J. B.	21	CONSTRUCTION DATA
07/12/01	W. J. B.	22	CONSTRUCTION DATA
08/12/01	W. J. B.	23	CONSTRUCTION DATA
09/12/01	W. J. B.	24	CONSTRUCTION DATA
10/12/01	W. J. B.	25	CONSTRUCTION DATA
11/12/01	W. J. B.	26	CONSTRUCTION DATA
12/12/01	W. J. B.	27	CONSTRUCTION DATA
01/01/02	W. J. B.	28	CONSTRUCTION DATA
02/01/02	W. J. B.	29	CONSTRUCTION DATA
03/01/02	W. J. B.	30	CONSTRUCTION DATA
04/01/02	W. J. B.	31	CONSTRUCTION DATA
05/01/02	W. J. B.	32	CONSTRUCTION DATA
06/01/02	W. J. B.	33	CONSTRUCTION DATA
07/01/02	W. J. B.	34	CONSTRUCTION DATA
08/01/02	W. J. B.	35	CONSTRUCTION DATA
09/01/02	W. J. B.	36	CONSTRUCTION DATA
10/01/02	W. J. B.	37	CONSTRUCTION DATA
11/01/02	W. J. B.	38	CONSTRUCTION DATA
12/01/02	W. J. B.	39	CONSTRUCTION DATA
01/02/03	W. J. B.	40	CONSTRUCTION DATA
02/02/03	W. J. B.	41	CONSTRUCTION DATA
03/02/03	W. J. B.	42	CONSTRUCTION DATA
04/02/03	W. J. B.	43	CONSTRUCTION DATA
05/02/03	W. J. B.	44	CONSTRUCTION DATA
06/02/03	W. J. B.	45	CONSTRUCTION DATA
07/02/03	W. J. B.	46	CONSTRUCTION DATA
08/02/03	W. J. B.	47	CONSTRUCTION DATA
09/02/03	W. J. B.	48	CONSTRUCTION DATA
10/02/03	W. J. B.	49	CONSTRUCTION DATA
11/02/03	W. J. B.	50	CONSTRUCTION DATA
12/02/03	W. J. B.	51	CONSTRUCTION DATA
01/03/04	W. J. B.	52	CONSTRUCTION DATA
02/03/04	W. J. B.	53	CONSTRUCTION DATA
03/03/04	W. J. B.	54	CONSTRUCTION DATA
04/03/04	W. J. B.	55	CONSTRUCTION DATA
05/03/04	W. J. B.	56	CONSTRUCTION DATA
06/03/04	W. J. B.	57	CONSTRUCTION DATA
07/03/04	W. J. B.	58	CONSTRUCTION DATA
08/03/04	W. J. B.	59	CONSTRUCTION DATA
09/03/04	W. J. B.	60	CONSTRUCTION DATA
10/03/04	W. J. B.	61	CONSTRUCTION DATA
11/03/04	W. J. B.	62	CONSTRUCTION DATA
12/03/04	W. J. B.	63	CONSTRUCTION DATA
01/04/05	W. J. B.	64	CONSTRUCTION DATA
02/04/05	W. J. B.	65	CONSTRUCTION DATA
03/04/05	W. J. B.	66	CONSTRUCTION DATA
04/04/05	W. J. B.	67	CONSTRUCTION DATA
05/04/05	W. J. B.	68	CONSTRUCTION DATA
06/04/05	W. J. B.	69	CONSTRUCTION DATA
07/04/05	W. J. B.	70	CONSTRUCTION DATA
08/04/05	W. J. B.	71	CONSTRUCTION DATA
09/04/05	W. J. B.	72	CONSTRUCTION DATA
10/04/05	W. J. B.	73	CONSTRUCTION DATA
11/04/05	W. J. B.	74	CONSTRUCTION DATA
12/04/05	W. J. B.	75	CONSTRUCTION DATA
01/05/06	W. J. B.	76	CONSTRUCTION DATA
02/05/06	W. J. B.	77	CONSTRUCTION DATA
03/05/06	W. J. B.	78	CONSTRUCTION DATA
04/05/06	W. J. B.	79	CONSTRUCTION DATA
05/05/06	W. J. B.	80	CONSTRUCTION DATA
06/05/06	W. J. B.	81	CONSTRUCTION DATA
07/05/06	W. J. B.	82	CONSTRUCTION DATA
08/05/06	W. J. B.	83	CONSTRUCTION DATA
09/05/06	W. J. B.	84	CONSTRUCTION DATA
10/05/06	W. J. B.	85	CONSTRUCTION DATA
11/05/06	W. J. B.	86	CONSTRUCTION DATA
12/05/06	W. J. B.	87	CONSTRUCTION DATA
01/06/07	W. J. B.	88	CONSTRUCTION DATA
02/06/07	W. J. B.	89	CONSTRUCTION DATA
03/06/07	W. J. B.	90	CONSTRUCTION DATA
04/06/07	W. J. B.	91	CONSTRUCTION DATA
05/06/07	W. J. B.	92	CONSTRUCTION DATA
06/06/07	W. J. B.	93	CONSTRUCTION DATA
07/06/07	W. J. B.	94	CONSTRUCTION DATA
08/06/07	W. J. B.	95	CONSTRUCTION DATA
09/06/07	W. J. B.	96	CONSTRUCTION DATA
10/06/07	W. J. B.	97	CONSTRUCTION DATA
11/06/07	W. J. B.	98	CONSTRUCTION DATA
12/06/07	W. J. B.	99	CONSTRUCTION DATA
01/07/08	W. J. B.	100	CONSTRUCTION DATA

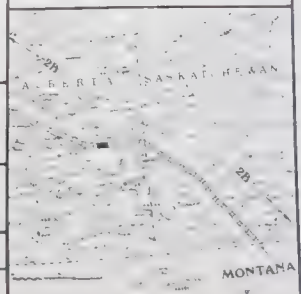
[illegible]





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SEGMENT NO.	SEGMENT LENGTH	DESIGN DATA	CHANNEL DATA
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3	100.00	100.00	100.00
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13	100.00	100.00	100.00
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16	100.00	100.00	100.00
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69	100.00	100.00	100.00
70	100.00	100.00	100.00
71	100.00	100.00	100.00
72	100.00	100.00	100.00
73	100.00	100.00	100.00
74	100.00	100.00	100.00
75	100.00	100.00	100.00
76	100.00	100.00	100.00
77	100.00	100.00	100.00
78	100.00	100.00	100.00
79	100.00	100.00	100.00

PIPELINE LEGEND		PIPELINE DATA		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		GENERAL NOTES		AERIAL PHOTOGRAPHY		NORTHERN ENGINEERING SERVICES COMPANY LIMITED	
<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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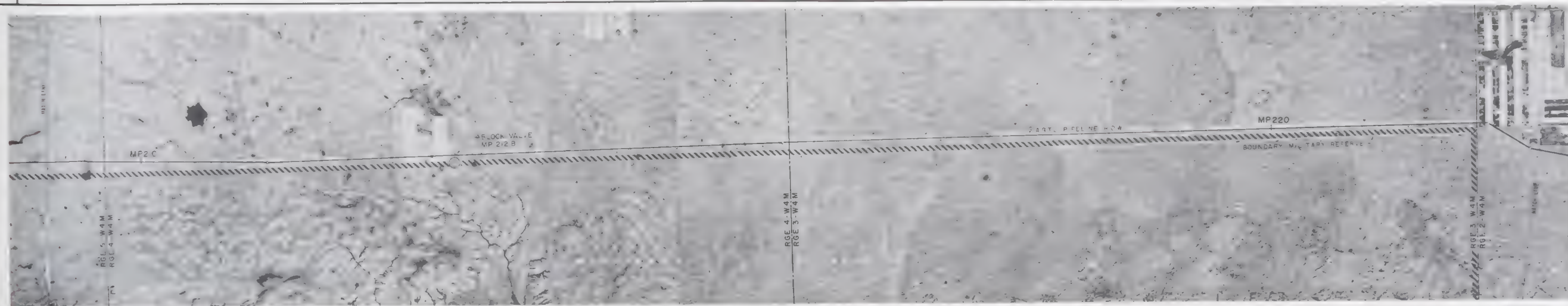








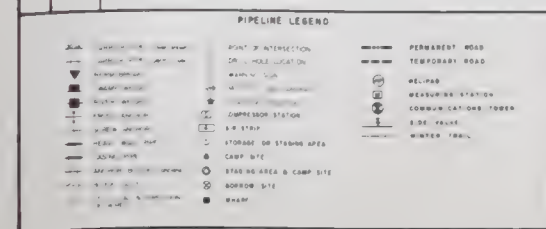
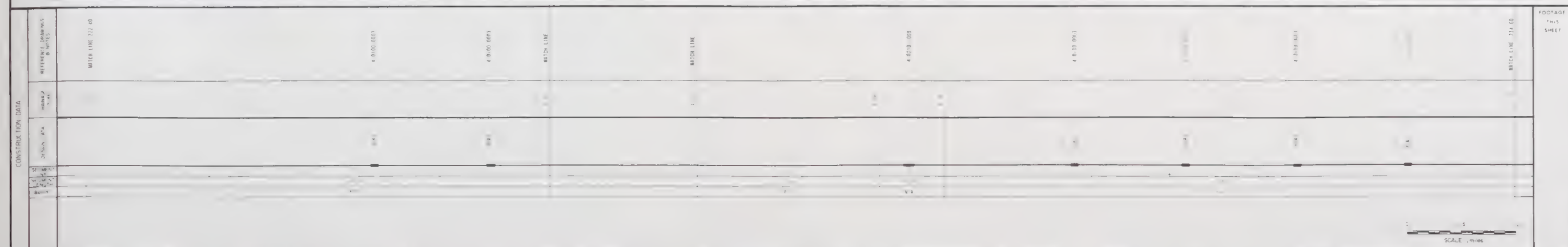
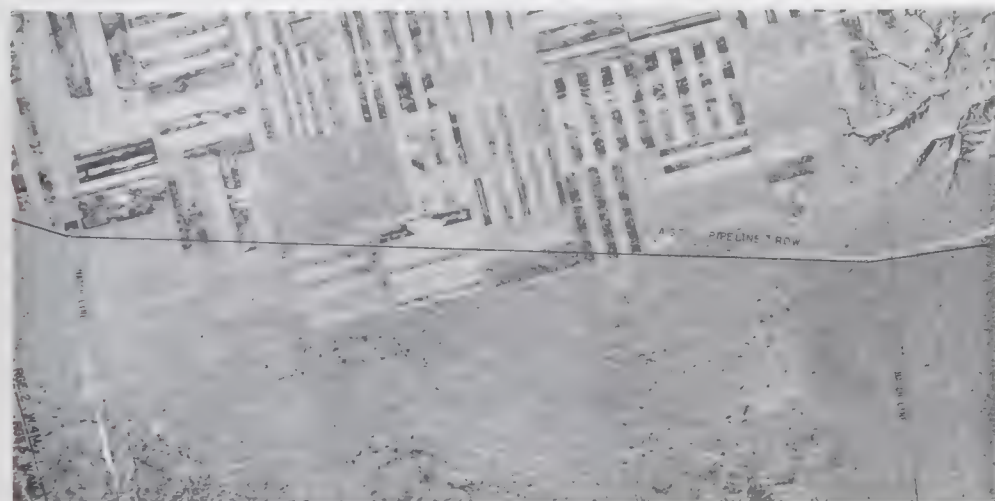
OWNERSHIP	
DRILL HOLE DATA	
PROFILE	



PIPELINE LEGEND		PIPE DATA		QUAN.		MISCELLANEOUS MATERIAL		REFERENCE DRAWINGS		DWG. NO.		GENERAL NOTES		AERIAL PHOTOGRAPHY		UTM		LOCATION		NORTH	
1. CARRIER	PIPE	2. INTERSECTION	3. TRENCH	4. TRENCH	5. TRENCH	6. TRENCH	7. TRENCH	8. TRENCH	9. TRENCH	10. TRENCH	11. TRENCH	12. TRENCH	13. TRENCH	14. TRENCH	15. TRENCH	16. TRENCH	17. TRENCH	18. TRENCH	19. TRENCH	20. TRENCH	21. TRENCH
CARRIER - 48" O.D. x 720" WT. GRADE TO		HEAVY WALL - 48" O.D. x 1034" WT. GRADE 85																			






[illegible]

GENERAL NOTES:  
1. STENCIL: MILPOST EQUALS WATCHMAN MILPOST PLUS CHARGE VALUE  
/ MINIMUM DEPTH OF COVER = 2.5 FEET

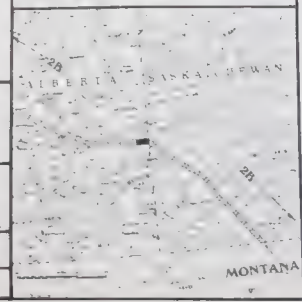
AERIAL PHOTOGRAPHY	
ROLL NO	PHOTO NOS
CR3153	1 02 72
OPERATING LICENCE NO	
CONSTRUCTION PERMIT NO	
MIN TEST PRESSURE	2100 psi
MAX OPERATING PRESSURE	1600 psi

[illegible]

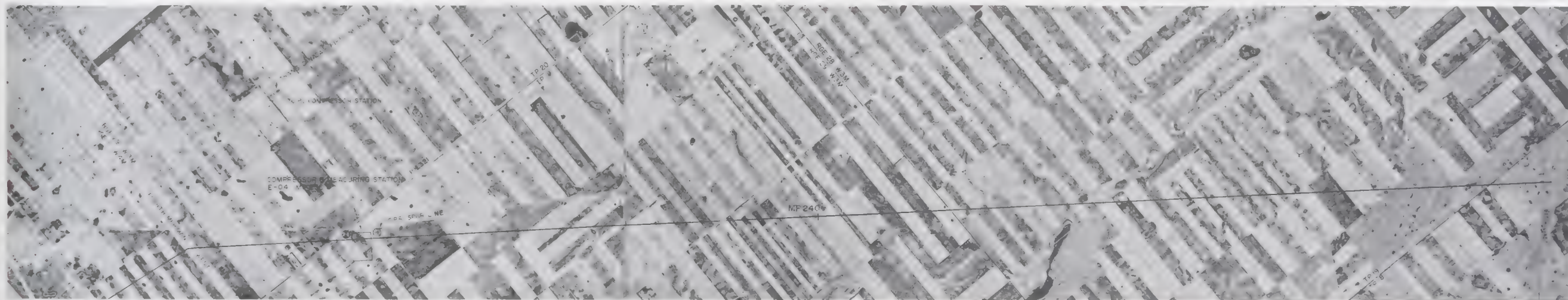

 NORTHERN ENGINEERING SERVICES  
 COMPANY LIMITED  
 ENGINEERS FOR  
**CANADIAN ARCTIC GAS PIPELINE LIMITED**  
 GAS PIPELINE ROUTE ALIGNMENT DATA  
 ALBERTA  
 \_\_\_\_\_  
 UPSTREAM MAP \_\_\_\_\_ DOWNSTREAM MAP \_\_\_\_\_

NO. 1 DATE TO FROM DATE	100 1100 100 1100 100 1100	100 1100 100 1100 100 1100	100 1100 100 1100 100 1100
-------------------------------------	----------------------------------	----------------------------------	----------------------------------

28-0200-1018







**CONSTRUCTION DATA**

STATIONING	DESCRIPTION
0+00 - 0+10	Proposed Road Alignment
0+10 - 0+20	Drainage Ditch
0+20 - 0+30	Culvert
0+30 - 0+40	Embankment
0+40 - 0+50	Proposed Road Alignment
0+50 - 0+60	Drainage Ditch
0+60 - 0+70	Culvert
0+70 - 0+80	Embankment
0+80 - 0+90	Proposed Road Alignment
0+90 - 1+00	Drainage Ditch

SCALE: 1 cm = 10 m

[illegible]



































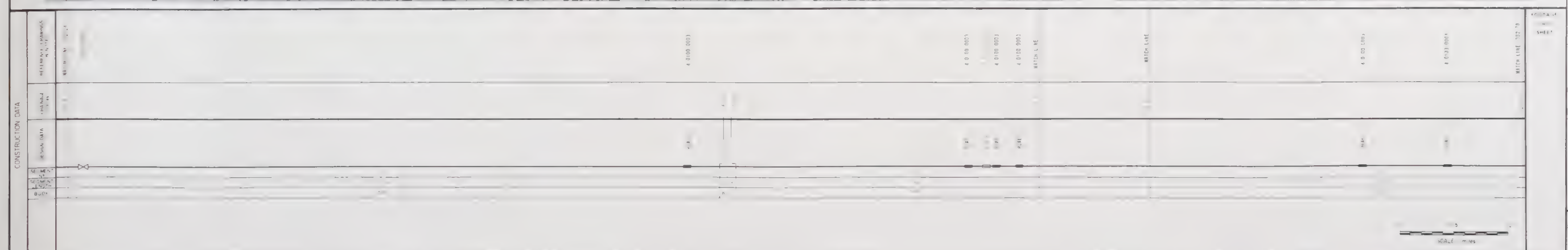








OWNERSHIP	DRILL HOLE DATA	PROFILE
		<p>SECTION NUMBER</p>



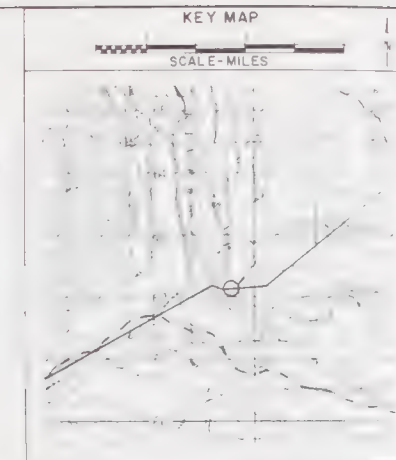
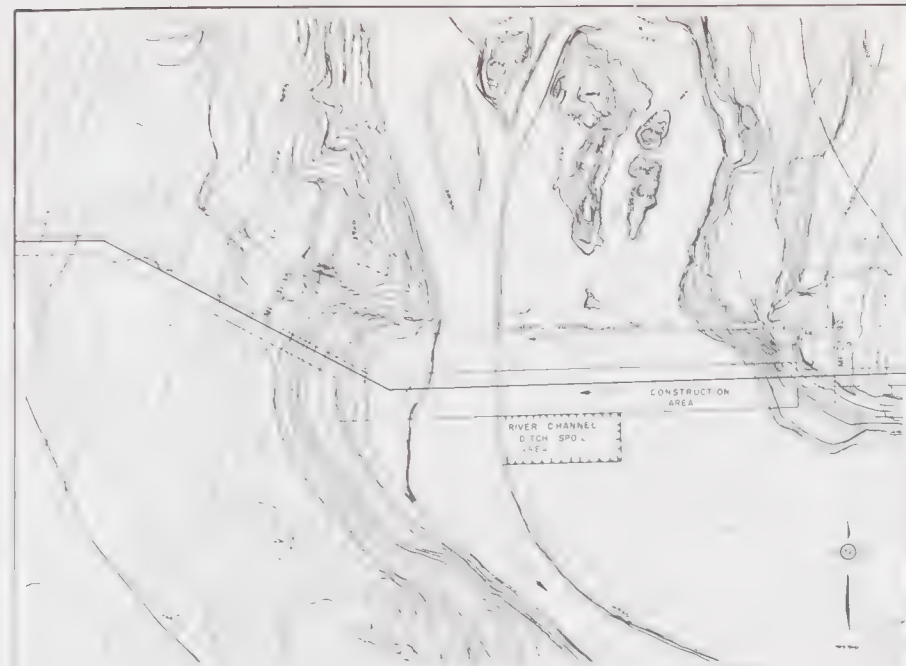
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	PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE		BOARDING SITE
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	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
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	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
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	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
	WASH		PERMANENT ROAD		TEMPORARY ROAD		RIGHT-OF-WAY		BOUNDARY		SURVEY STATION		COMMUNICATION TOWER		AIR STOP		STORAGE OR STAGING AREA		CAMP SITE
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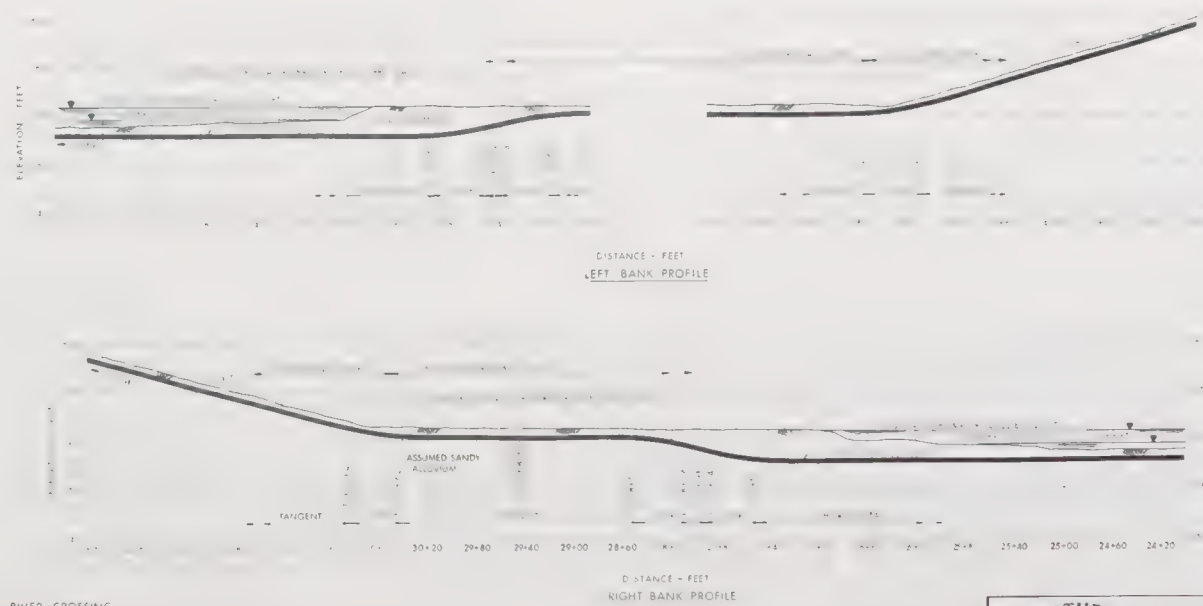
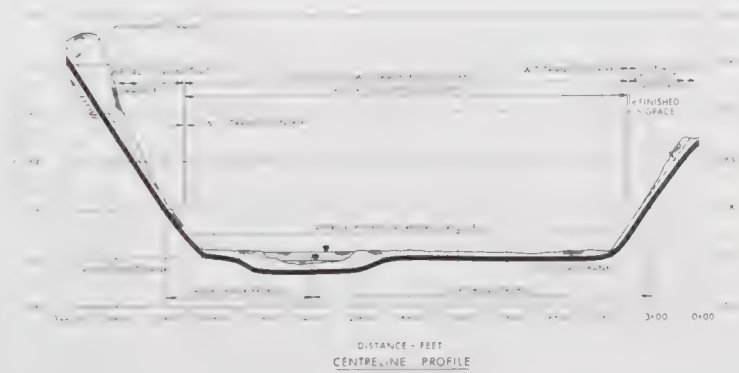








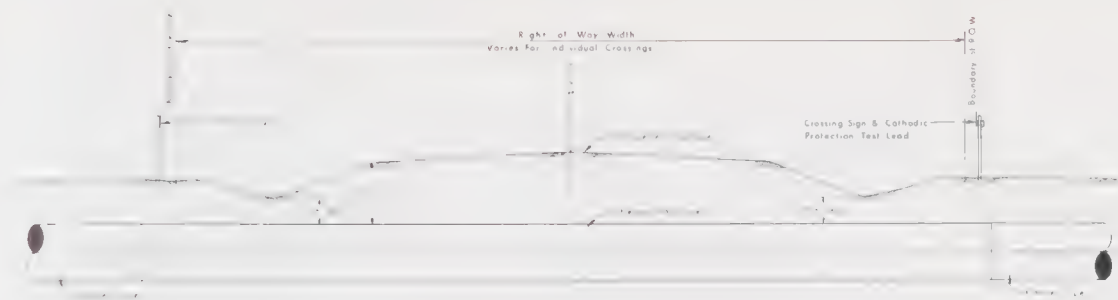
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DRAWING No. 2C-0210-1004



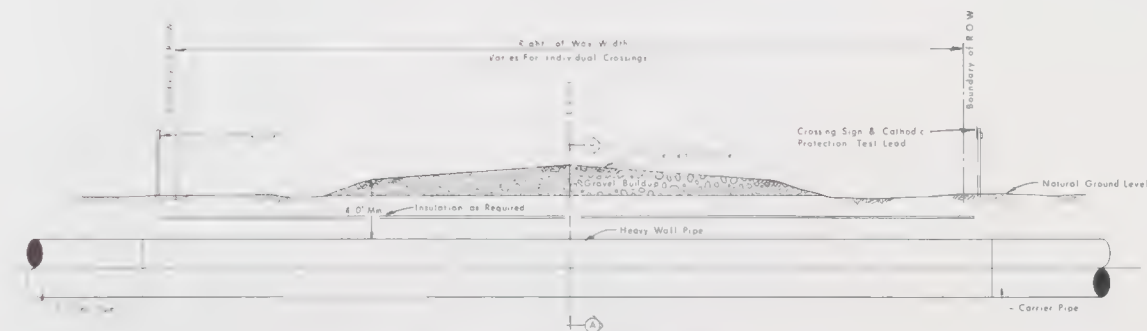
KOOTENAY RIVER CROSSING  
PROFILE  
DRAWING No. 2C-0210-1004

<p><b>NORTHERN</b> ENGINEERING SERVICES LIMITED CALGARY ALBERTA ENGINEERS FOR <b>CANADIAN ARCTIC GAS STUDY LTD.</b></p>	KOOTENAY RIVER CROSSING		SCALE
	PROFILE AND PLAN VIEWS		DATE
			PROJECT No.
			SECTION H - 10





CROSSING IN NON PERMAFROST ZONE

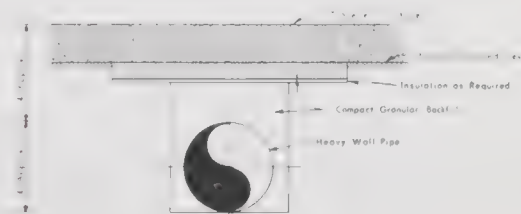


CROSSING IN DETRIMENTAL PERMAFROST ZONE

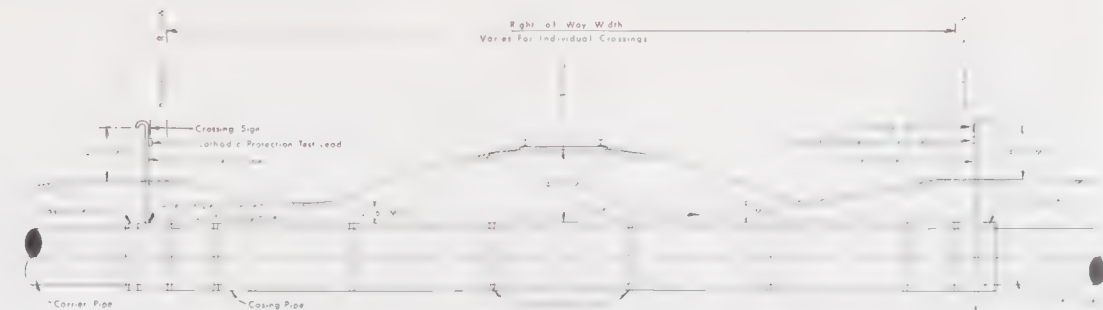
TYPICAL PIPE SIZES

CARRIER PIPE	HEAVY WALL PIPE
48" O.D. x 0.720" w.t.	48" O.D. x 1.034" w.t.
42" O.D. x 0.630" w.t.	42" O.D. x 0.905" w.t.
36" O.D. x 0.540" w.t.	36" O.D. x 0.776" w.t.

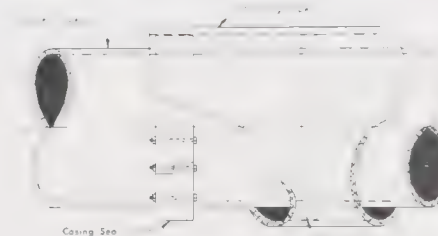
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SECTION A-A



RAILWAY CROSSING



CASING SEAL DETAIL

DRAWING No.  
4-0100-0002

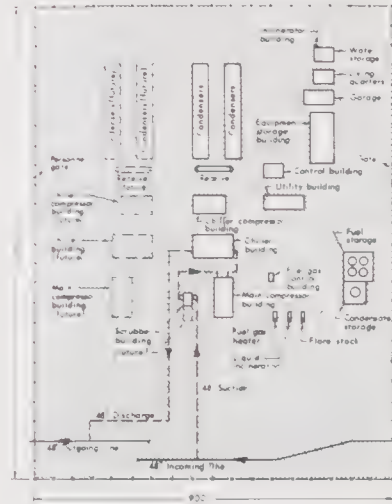
NOTE

TYPICAL DRAWINGS ONLY. SUBJECT TO CHANGE UPON FINAL DESIGN.

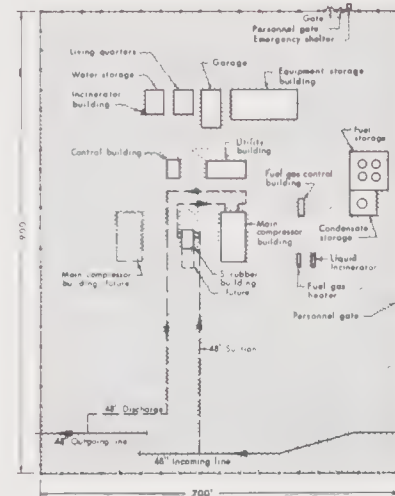
<p>NORTHERN ENGINEERING SERVICES COMPLY LIMITED CALGARY ALBERTA ENGINEERS FOR CANADIAN ARCTIC GAS PIPELINE LIMITED</p>			
TYPICAL UNCASED ROAD CROSSINGS AND CASED RAILWAY CROSSING		REV. PIPE SIZE ADDED	
		SCALE	
		DATE	
		PROJECT No.	
		SHEET F 11	REV 1



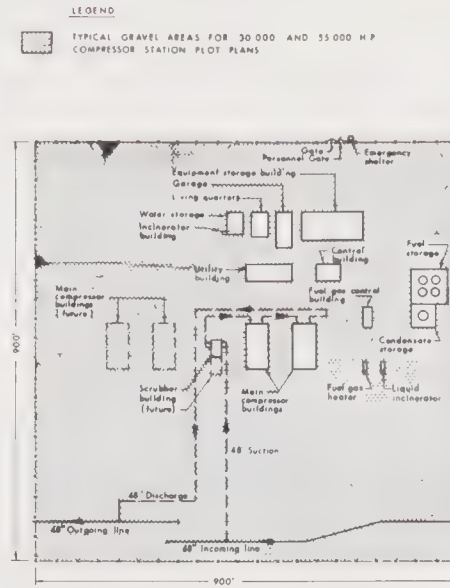
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TYPICAL 30,000 H.P. COMPRESSOR STATION  
WITH GAS CHILLING

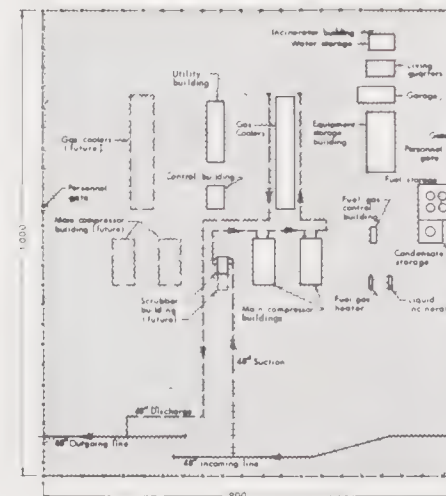
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TYPICAL 30,000 H.P. COMPRESSOR STATION  
WITHOUT GAS CHILLING

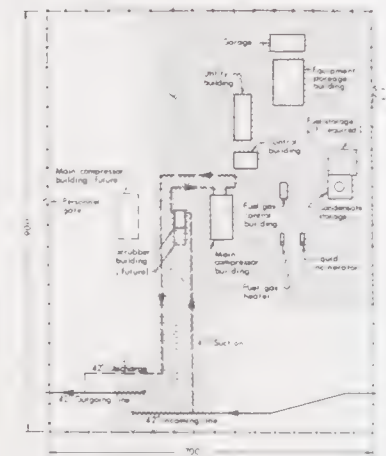
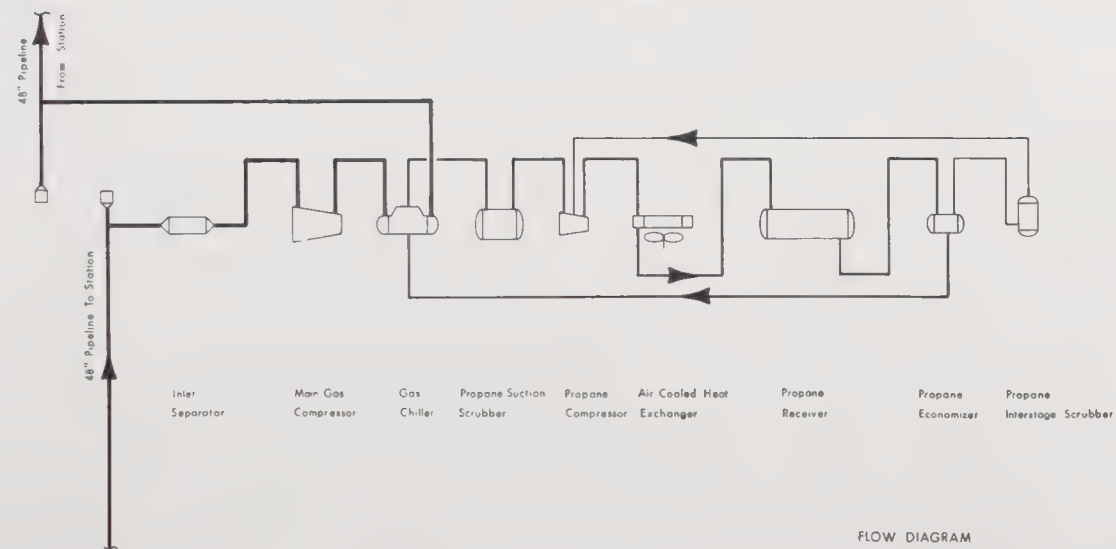
DRAWING No. 0403-1000

TYPICAL 55,000 H.P. COMPRESSOR STATION  
WITHOUT GAS CHILLING

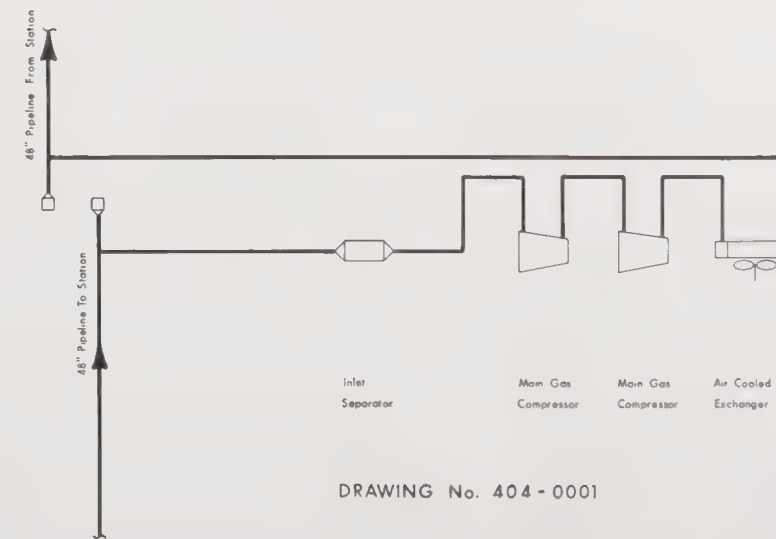
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TYPICAL 55,000 H.P. COMPRESSOR STATION  
WITH GAS COOLING

DRAWING No. 0405-1000

TYPICAL 26,400 H.P. COMPRESSOR STATION  
WITHOUT GAS COOLING

DRAWING No. 401-0001

FLOW DIAGRAM  
TYPICAL 30,000 H.P. COMPRESSOR STATION  
WITH GAS CHILLING

DRAWING No. 404-0001

FLOW DIAGRAM  
TYPICAL 55,000 H.P. COMPRESSOR STATION  
WITH GAS COOLING

Note: Typical drawings only, subject  
to change upon final design.

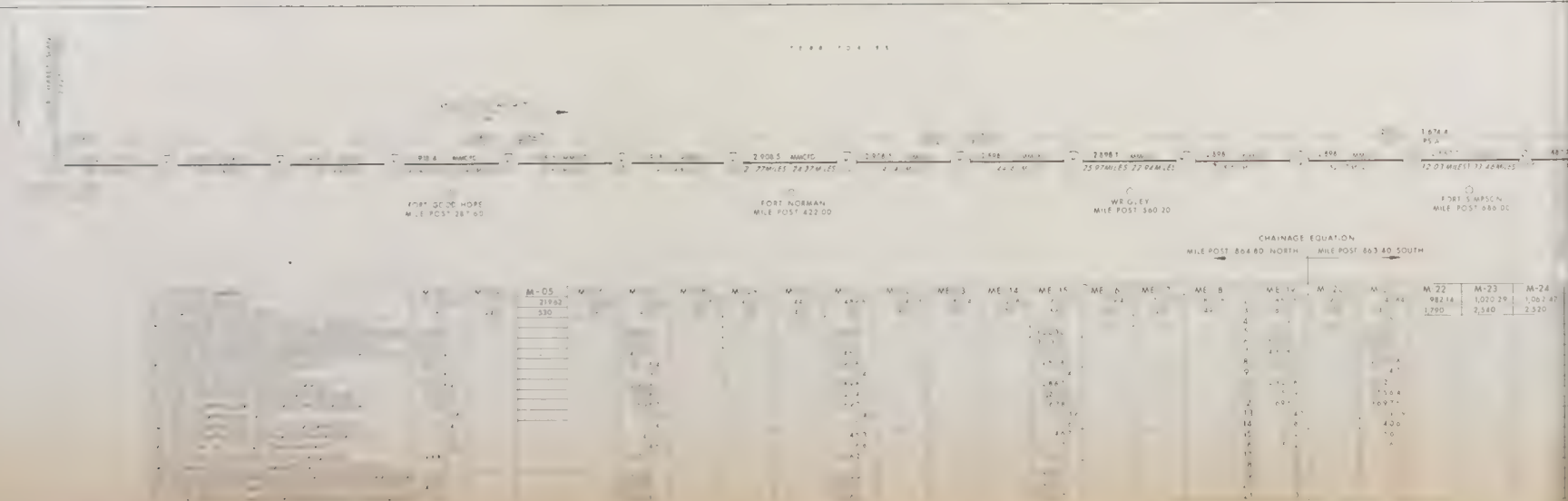
<p><b>CANADIAN ARCTIC GAS PIPELINE LIMITED</b></p>	<p>REVISIONS</p> <p>REV 1 TO DWG NO. 0405-1000</p>	
	<p>SCALE</p>	
	<p>DATE AUGUST 15, 1975</p>	
	<p>PROJECT No.</p>	
<p>TYPICAL COMPRESSOR STATION CONFIGURATIONS</p>		<p>SHEET A-1</p>



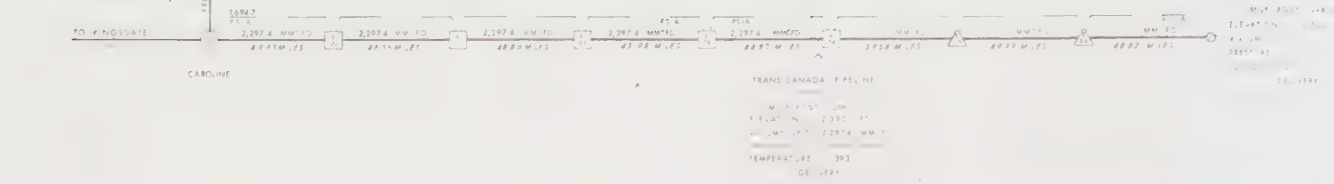
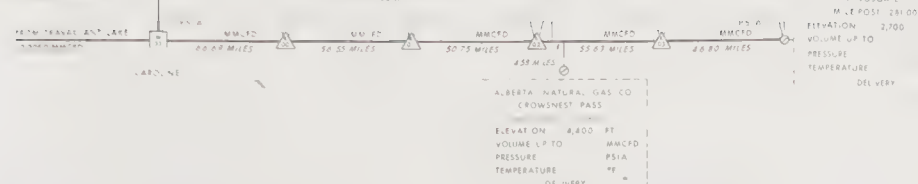
RICHARDS ISLAND  
 MILE POST 3.00  
 ELEVATION 30 FT  
 VOLUME 2042.3 MM PC  
 PRESSURE 1894.7 PSIA  
 TEMPERATURE 230 °F

RICHARDS ISLAND to TRAVAILLANT LAKE

GAS SUPPLY LINE





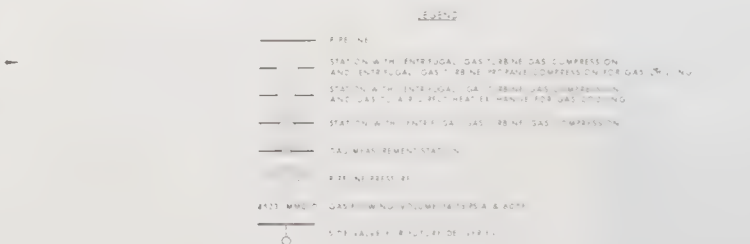
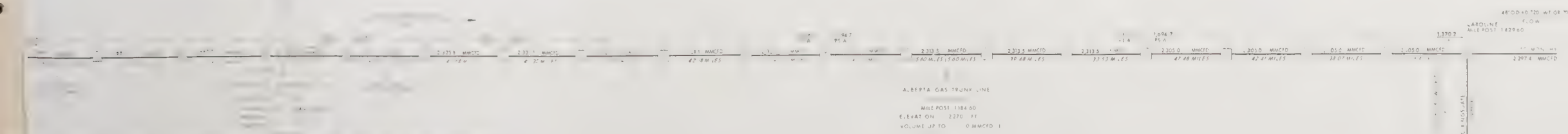


STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
STATION ELEVATION FEET	86.89	123.24	153.99	234.20	
NUMBER OF GAS COMPRESSOR UNITS PROPOSED	4,030	4,480	4,930	3,500	
SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
TOTAL GAS COMPRESSOR HORSEPOWER TO PROPOSED					
TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED					
STATION FUEL GAS MMCFD					
STATION FUEL GAS MMCFD					
GAS COMPRESSOR SECTION PRESSURE PSIA					
GAS COMPRESSOR SECTION PRESSURE PSIA					
GAS COMPRESSOR SECTION TEMPERATURE °F					
GAS COMPRESSOR SECTION TEMPERATURE °F					
STATION OUTLET GAS TEMPERATURE °F					
STATION OUTLET GAS TEMPERATURE °F					
NUMBER OF PROPANE COMPRESSOR UNITS PROPOSED					
SIZE OF PROPANE COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
TOTAL PROPANE COMPRESSOR HORSEPOWER TO PROPOSED					
TOTAL PROPANE COMPRESSOR HORSEPOWER ACTUAL REQUIRED					

CAROLINE to KINGSGATE  
GAS DELIVERY LINE

CAROLINE to MONCHY  
GAS DELIVERY LINE

STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
STATION ELEVATION FEET	86.89	123.24	153.99	234.20	
NUMBER OF GAS COMPRESSOR UNITS PROPOSED	4,030	4,480	4,930	3,500	
SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
TOTAL GAS COMPRESSOR HORSEPOWER TO PROPOSED					
TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED					
STATION FUEL GAS MMCFD					
STATION FUEL GAS MMCFD					
GAS COMPRESSOR SECTION PRESSURE PSIA					
GAS COMPRESSOR SECTION PRESSURE PSIA					
GAS COMPRESSOR SECTION TEMPERATURE °F					
GAS COMPRESSOR SECTION TEMPERATURE °F					
STATION OUTLET GAS TEMPERATURE °F					
STATION OUTLET GAS TEMPERATURE °F					
NUMBER OF PROPANE COMPRESSOR UNITS PROPOSED					
SIZE OF PROPANE COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
TOTAL PROPANE COMPRESSOR HORSEPOWER TO PROPOSED					
TOTAL PROPANE COMPRESSOR HORSEPOWER ACTUAL REQUIRED					

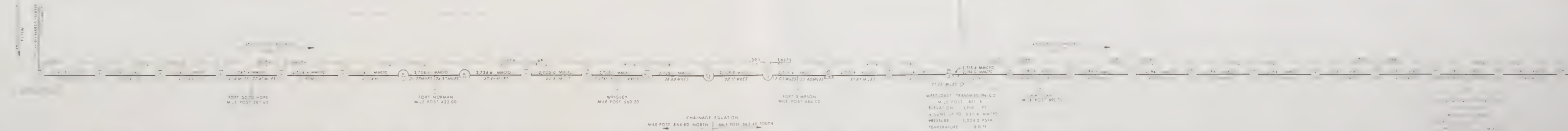


TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE



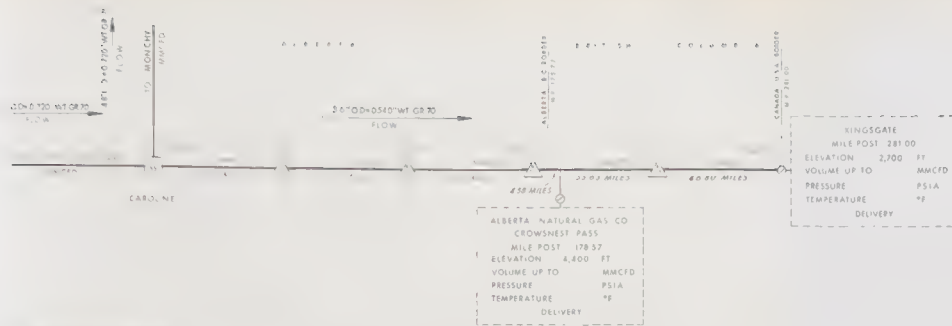


CAROLINE to KING  
GAS DELIVERY



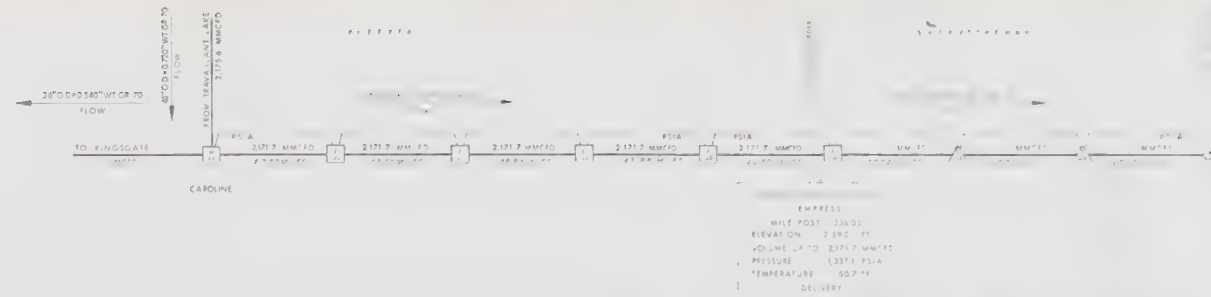
TRAVAILLANT LAKE TO CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT  
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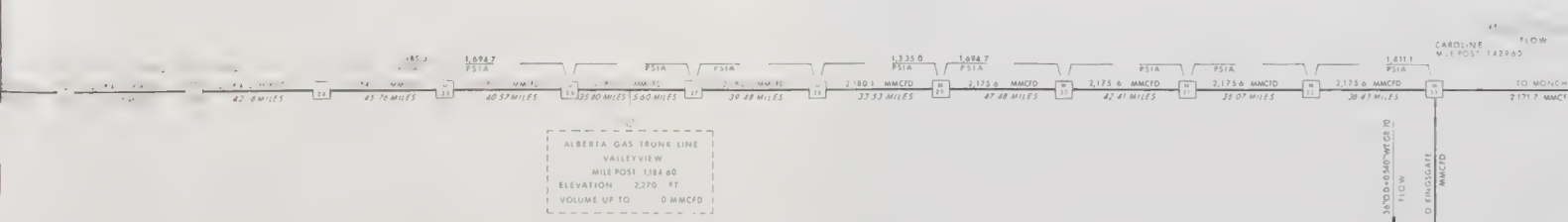
1. STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
2. STATION MILEPOST	86.69	123.24	173.99	234.20	
3. STATION ELEVATION (FEET)	4,030	4,480	4,820	3,500	
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED					
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
6. TOTAL GAS COMPRESSOR HORSEPOWER (50) PROPOSED					
7. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					
8. GAS VOLUME INTO STATION (MMCFD)					
9. STATION FUEL GAS (MMCFD)					
10. GAS VOLUME OUT OF STATION (MMCFD)					
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)					
12. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)					
13. GAS COMPRESSOR RATIO					
14. GAS COMPRESSOR SUCTION TEMPERATURE (°F)					
15. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)					
16. STATION DUTY GAS TEMPERATURE (°F)					
17. CHILLING COOLING DUTY TONS REQUIRED					
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED					
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
20. TOTAL PROpane COMPRESSOR HORSEPOWER (50) PROPOSED					
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					

CAROLINE to KINGS GATE  
GAS DELIVERY LINE

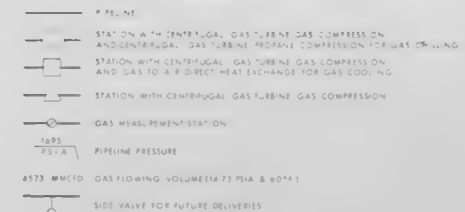


1. STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
2. STATION MILEPOST	86.69	123.24	173.99	234.20	
3. STATION ELEVATION (FEET)	4,030	4,480	4,820	3,500	
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED					
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
6. TOTAL GAS COMPRESSOR HORSEPOWER (50) PROPOSED					
7. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					
8. GAS VOLUME INTO STATION (MMCFD)					
9. STATION FUEL GAS (MMCFD)					
10. GAS VOLUME OUT OF STATION (MMCFD)					
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)					
12. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)					
13. GAS COMPRESSOR RATIO					
14. GAS COMPRESSOR SUCTION TEMPERATURE (°F)					
15. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)					
16. STATION DUTY GAS TEMPERATURE (°F)					
17. CHILLING COOLING DUTY TONS REQUIRED					
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED					
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
20. TOTAL PROpane COMPRESSOR HORSEPOWER (50) PROPOSED					
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					

CAROLINE to MONCHY  
GAS DELIVERY LINE



TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE







STATION NUMBER	STATION M-POST	STATION ELEVATION FEET	NUMBER OF GAS COMPRESSOR UNITS PROPOSED	SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)	TOTAL GAS COMPRESSOR HORSEPOWER (SOLICIT)	TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL REQUIRED)
1	2	3	4	5	6	7
CA-01	28	178.24	2	1000	2000	2000
CA-02	30	200	2	1000	2000	2000
CA-03	32	220	2	1000	2000	2000
CA-04	34	240	2	1000	2000	2000
CA-05	36	260	2	1000	2000	2000
CA-06	38	280	2	1000	2000	2000
CA-07	40	300	2	1000	2000	2000
CA-08	42	320	2	1000	2000	2000
CA-09	44	340	2	1000	2000	2000
CA-10	46	360	2	1000	2000	2000
TOTALS			20	20000	40000	40000

PRUDHOE BAY to TRAVAILLANT LAKE

GAS SUPPLY LINE

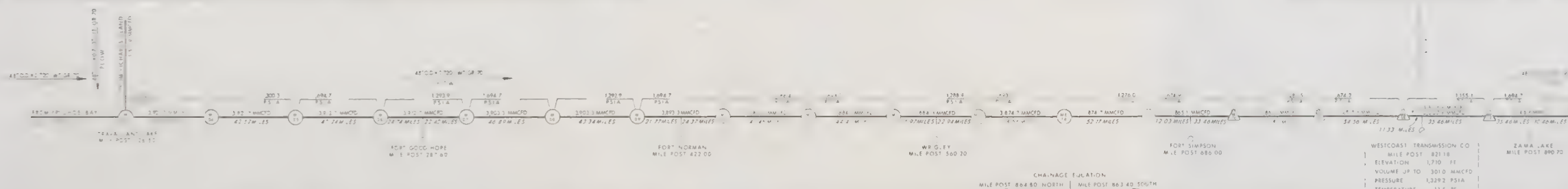
RICHARDS ISLAND to TRAVAILLANT LAKE

GAS SUPPLY LINE

STATION NUMBER	STATION M-POST	STATION ELEVATION FEET	NUMBER OF GAS COMPRESSOR UNITS PROPOSED	SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)	TOTAL GAS COMPRESSOR HORSEPOWER (SOLICIT)	TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL REQUIRED)
1	2	3	4	5	6	7
M-01	39	98.40	2	1000	2000	2000
M-02	40	100	2	1000	2000	2000
TOTALS			4	4000	8000	8000

CAROLINE to KINGSGATE

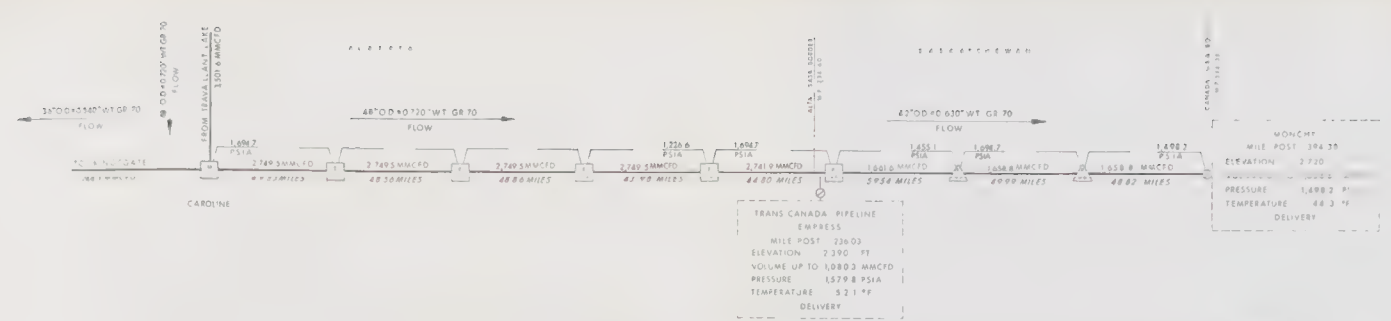
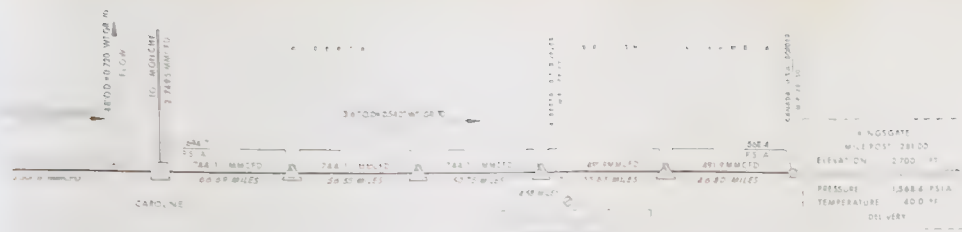
GAS DELIVERY LINE



STATION NUMBER	STATION M-POST	STATION ELEVATION FEET	NUMBER OF GAS COMPRESSOR UNITS PROPOSED	SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)	TOTAL GAS COMPRESSOR HORSEPOWER (SOLICIT)	TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL REQUIRED)
1	2	3	4	5	6	7
M-03	47	178.50	2	1000	2000	2000
M-04	48	180	2	1000	2000	2000
M-05	49	182	2	1000	2000	2000
M-06	50	184	2	1000	2000	2000
M-07	51	186	2	1000	2000	2000
M-08	52	188	2	1000	2000	2000
M-09	53	190	2	1000	2000	2000
M-10	54	192	2	1000	2000	2000
M-11	55	194	2	1000	2000	2000
M-12	56	196	2	1000	2000	2000
M-13	57	198	2	1000	2000	2000
M-14	58	200	2	1000	2000	2000
M-15	59	202	2	1000	2000	2000
M-16	60	204	2	1000	2000	2000
M-17	61	206	2	1000	2000	2000
M-18	62	208	2	1000	2000	2000
M-19	63	210	2	1000	2000	2000
M-20	64	212	2	1000	2000	2000
M-21	65	214	2	1000	2000	2000
M-22	66	216	2	1000	2000	2000
M-23	67	218	2	1000	2000	2000
M-24	68	220	2	1000	2000	2000
TOTALS			48	48000	96000	96000

TRAVAILLANT LAKE to CAROLINE  
EAST FORT SIMPSON ROUTE REALIGNMENT  
MAINLINE



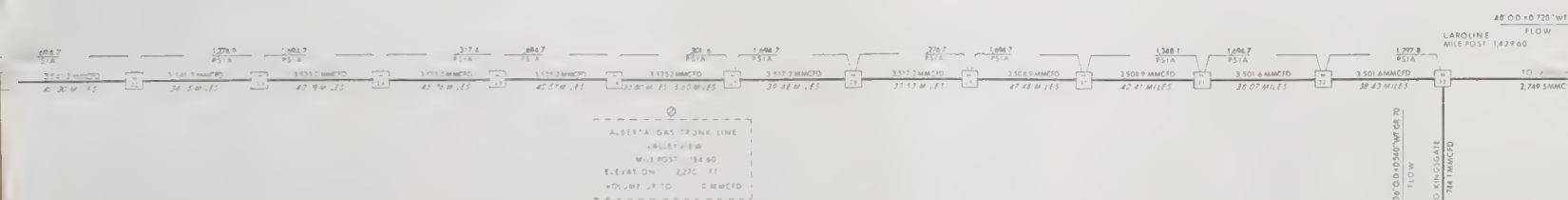


STATION NUMBER	E-00	E-01	E-02	E-03	TOTALS
1. STATION MILEPOST	49.83	98.30	147.25	230.00	
2. STATION ELEVATION (FEET)	4032	4032	4032	4032	
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED					
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
5. TOTAL GAS COMPRESSOR HORSEPOWER PROPOSED					
6. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED					
7. GAS VOLUME INTO STATION (MMCFD)					
8. STATION FUEL GAS (MMCFD)					
9. GAS VOLUME OUT OF STATION (MMCFD)					
10. GAS COMPRESSOR SUCTION PRESSURE (PSIA)					
11. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)					
12. GAS COMPRESSOR RATIO					
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)					
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)					
15. STATION OUTLET GAS TEMPERATURE (°F)					
16. STATION INLET GAS TEMPERATURE (°F)					
17. CHILLING/Cooling DUTY (TONS) REQUIRED					
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED					
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
20. TOTAL PROpane COMPRESSOR HORSEPOWER PROPOSED					
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED					

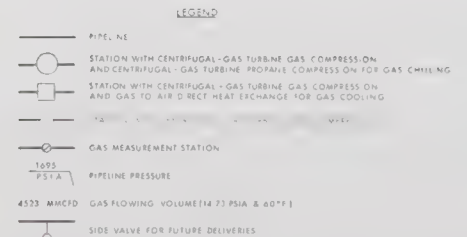
CAROLINE to KINGSGATE  
GAS DELIVERY LINE

CAROLINE to MONCHY  
GAS DELIVERY LINE

STATION NUMBER	E-00	E-01	E-02	E-03	E-04	E-05	E-06	TOTALS
1. STATION MILEPOST	49.83	98.30	147.25	230.00				
2. STATION ELEVATION (FEET)	4032	4032	4032	4032				
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED								
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)								
5. TOTAL GAS COMPRESSOR HORSEPOWER PROPOSED								
6. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED								
7. GAS VOLUME INTO STATION (MMCFD)								
8. STATION FUEL GAS (MMCFD)								
9. GAS VOLUME OUT OF STATION (MMCFD)								
10. GAS COMPRESSOR SUCTION PRESSURE (PSIA)								
11. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)								
12. GAS COMPRESSOR RATIO								
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)								
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)								
15. STATION OUTLET GAS TEMPERATURE (°F)								
16. STATION INLET GAS TEMPERATURE (°F)								
17. CHILLING/Cooling DUTY (TONS) REQUIRED								
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED								
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)								
20. TOTAL PROpane COMPRESSOR HORSEPOWER PROPOSED								
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED								



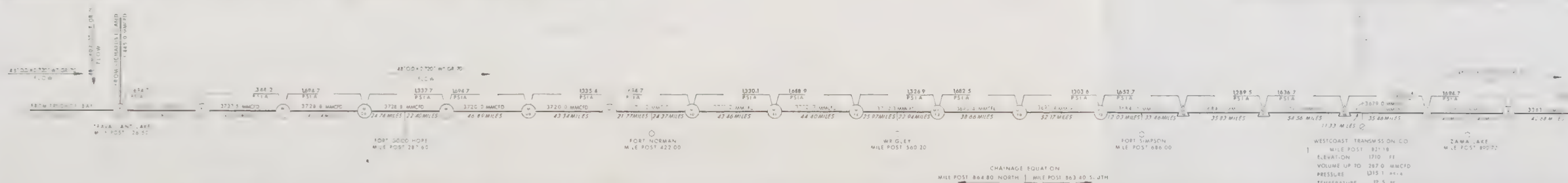
TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE



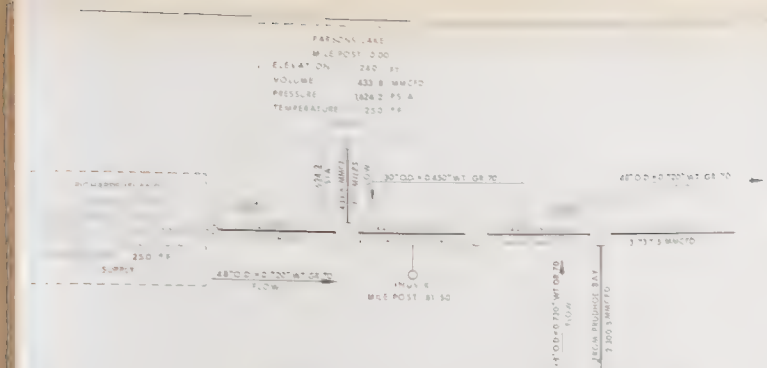




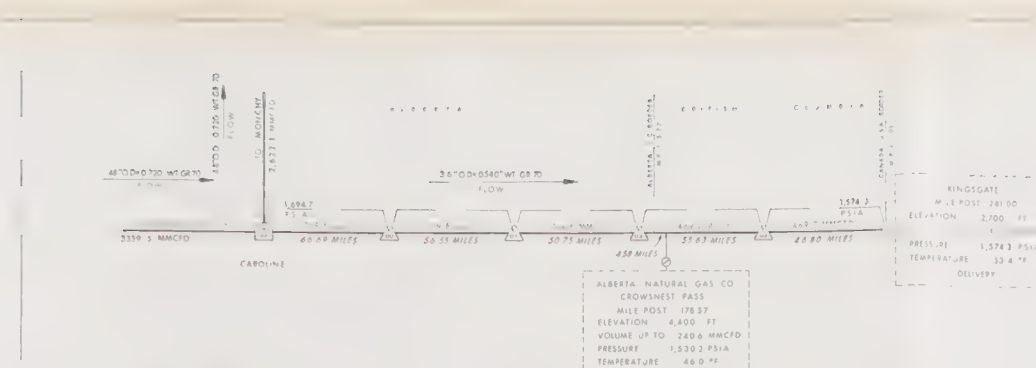
RICHARDS ISLAND to TRAVAILLANT LAKE  
GAS SUPPLY LINE





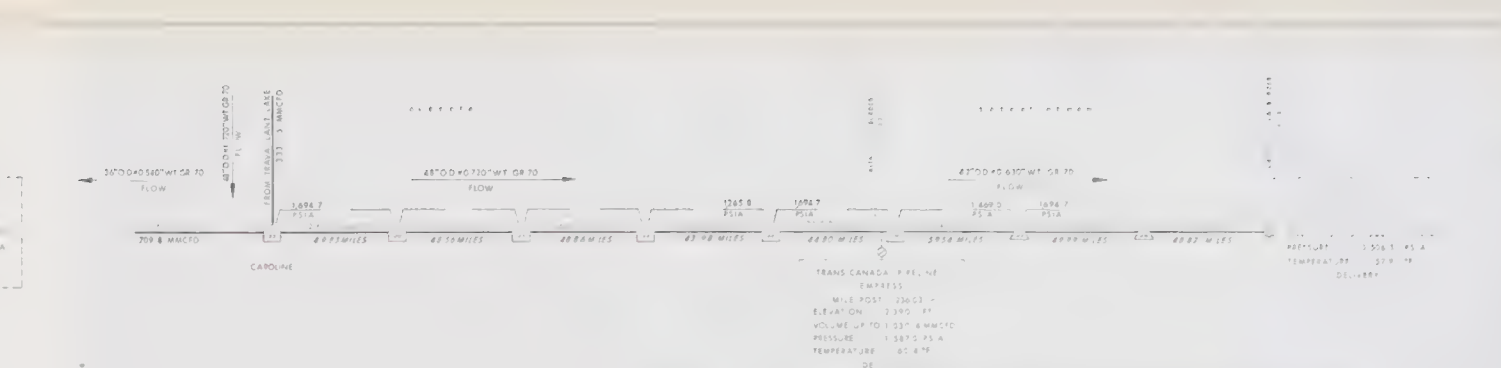


STATION NUMBER	MILE POST	ELEVATION (FEET)	VOLUME (MMCFD)	PRESSURE (PSIA)	TEMPERATURE (°F)
1	200	240	433.8	1628.2	25.0
2	81.50	217.5	313.3	1628.2	25.0
3	81.50	217.5	313.3	1628.2	25.0
4	81.50	217.5	313.3	1628.2	25.0
5	81.50	217.5	313.3	1628.2	25.0
6	81.50	217.5	313.3	1628.2	25.0
7	81.50	217.5	313.3	1628.2	25.0
8	81.50	217.5	313.3	1628.2	25.0
9	81.50	217.5	313.3	1628.2	25.0
10	81.50	217.5	313.3	1628.2	25.0
11	81.50	217.5	313.3	1628.2	25.0
12	81.50	217.5	313.3	1628.2	25.0
13	81.50	217.5	313.3	1628.2	25.0
14	81.50	217.5	313.3	1628.2	25.0
15	81.50	217.5	313.3	1628.2	25.0
16	81.50	217.5	313.3	1628.2	25.0
17	81.50	217.5	313.3	1628.2	25.0
18	81.50	217.5	313.3	1628.2	25.0
19	81.50	217.5	313.3	1628.2	25.0
20	81.50	217.5	313.3	1628.2	25.0
21	81.50	217.5	313.3	1628.2	25.0



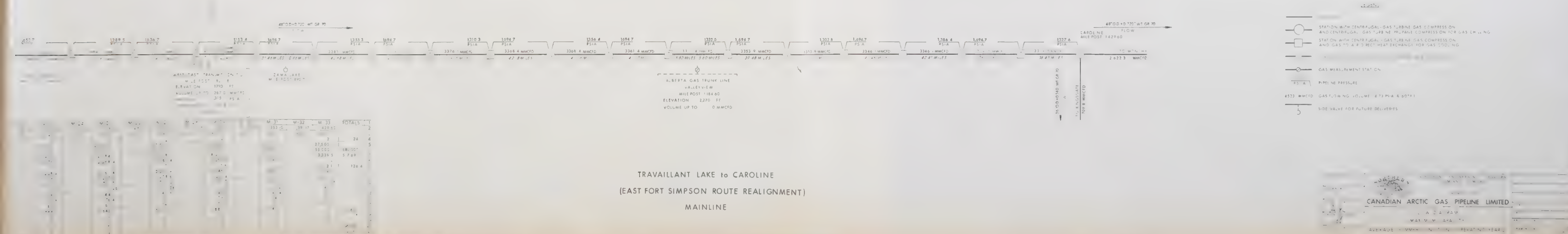
STATION NUMBER	MILE POST	ELEVATION (FEET)	VOLUME (MMCFD)	PRESSURE (PSIA)	TEMPERATURE (°F)
1	281.00	2700	339.5	1628.2	25.0
2	281.00	2700	339.5	1628.2	25.0
3	281.00	2700	339.5	1628.2	25.0
4	281.00	2700	339.5	1628.2	25.0
5	281.00	2700	339.5	1628.2	25.0
6	281.00	2700	339.5	1628.2	25.0
7	281.00	2700	339.5	1628.2	25.0
8	281.00	2700	339.5	1628.2	25.0
9	281.00	2700	339.5	1628.2	25.0
10	281.00	2700	339.5	1628.2	25.0
11	281.00	2700	339.5	1628.2	25.0
12	281.00	2700	339.5	1628.2	25.0
13	281.00	2700	339.5	1628.2	25.0
14	281.00	2700	339.5	1628.2	25.0
15	281.00	2700	339.5	1628.2	25.0
16	281.00	2700	339.5	1628.2	25.0
17	281.00	2700	339.5	1628.2	25.0
18	281.00	2700	339.5	1628.2	25.0
19	281.00	2700	339.5	1628.2	25.0
20	281.00	2700	339.5	1628.2	25.0
21	281.00	2700	339.5	1628.2	25.0

CAROLINE to KINGSGATE  
GAS DELIVERY LINE



STATION NUMBER	MILE POST	ELEVATION (FEET)	VOLUME (MMCFD)	PRESSURE (PSIA)	TEMPERATURE (°F)
1	236.00	2360	339.5	1628.2	25.0
2	236.00	2360	339.5	1628.2	25.0
3	236.00	2360	339.5	1628.2	25.0
4	236.00	2360	339.5	1628.2	25.0
5	236.00	2360	339.5	1628.2	25.0
6	236.00	2360	339.5	1628.2	25.0
7	236.00	2360	339.5	1628.2	25.0
8	236.00	2360	339.5	1628.2	25.0
9	236.00	2360	339.5	1628.2	25.0
10	236.00	2360	339.5	1628.2	25.0
11	236.00	2360	339.5	1628.2	25.0
12	236.00	2360	339.5	1628.2	25.0
13	236.00	2360	339.5	1628.2	25.0
14	236.00	2360	339.5	1628.2	25.0
15	236.00	2360	339.5	1628.2	25.0
16	236.00	2360	339.5	1628.2	25.0
17	236.00	2360	339.5	1628.2	25.0
18	236.00	2360	339.5	1628.2	25.0
19	236.00	2360	339.5	1628.2	25.0
20	236.00	2360	339.5	1628.2	25.0
21	236.00	2360	339.5	1628.2	25.0

CAROLINE to MONCHY  
GAS DELIVERY LINE



TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE

- STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION AND CENTRIFUGAL-GAS TURBINE PROPANE COMPRESSION FOR GAS CHILLING
- STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION AND GAS TO A R-2 HEAT EXCHANGER FOR GAS CHILLING
- GAS MEASUREMENT STATION
- PIPELINE PRESSURE
- 4572 MMCFD GAS FLOWING VOLUME AT 73 PSIA & 60 °F
- SIDE VALVE FOR FUTURE DELIVERIES





STATION NUMBER	CA-01	CA-02	CA-03	CA-04	CA-05	CA-06	CA-07	CA-08	CA-09	CA-10	TOTALS
1. STATION ELEVATION (FEET)	43.44	82.98	126.17	176.04	223.80	269.77	319.44	361.43			
2. STATION ELEVATION (FEET)	150	690	550	290		120	300	80			
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED											
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)											
5. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL)											
6. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED											
7. GAS VOLUME INTO STATION (MMCFD)											
8. GAS VOLUME OUT OF STATION (MMCFD)											
9. STATION FUEL GAS TEMPERATURE (°F)											
10. STATION OUTLET GAS TEMPERATURE (°F)											
11. STATION INLET GAS TEMPERATURE (°F)											
12. STATION DISCHARGE PRESSURE (PSIA)											
13. STATION Suction Pressure (PSIA)											
14. STATION DISCHARGE TEMPERATURE (°F)											
15. STATION Suction Temperature (°F)											
16. STATION OUTLET GAS TEMPERATURE (°F)											
17. STATION INLET GAS TEMPERATURE (°F)											
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED											
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (HORSEPOWER)											
20. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL)											
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED											

PRUDHOE BAY TO TRAVAILLANT LAKE

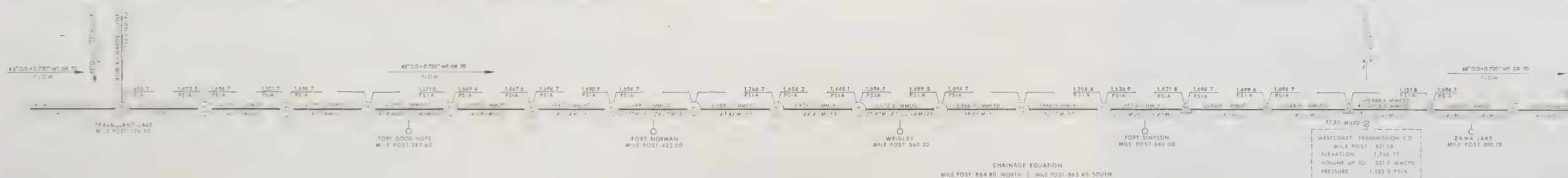
GAS SUPPLY LINE



STATION NUMBER	CA-01	CA-02	CA-03	CA-04	CA-05	CA-06	CA-07	CA-08	CA-09	CA-10	TOTALS
1. STATION ELEVATION (FEET)	43.44	82.98	126.17	176.04	223.80	269.77	319.44	361.43			
2. STATION ELEVATION (FEET)	150	690	550	290		120	300	80			
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED											
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)											
5. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL)											
6. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED											
7. GAS VOLUME INTO STATION (MMCFD)											
8. GAS VOLUME OUT OF STATION (MMCFD)											
9. STATION FUEL GAS TEMPERATURE (°F)											
10. STATION OUTLET GAS TEMPERATURE (°F)											
11. STATION INLET GAS TEMPERATURE (°F)											
12. STATION DISCHARGE PRESSURE (PSIA)											
13. STATION Suction Pressure (PSIA)											
14. STATION DISCHARGE TEMPERATURE (°F)											
15. STATION Suction Temperature (°F)											
16. STATION OUTLET GAS TEMPERATURE (°F)											
17. STATION INLET GAS TEMPERATURE (°F)											
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED											
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (HORSEPOWER)											
20. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL)											
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED											

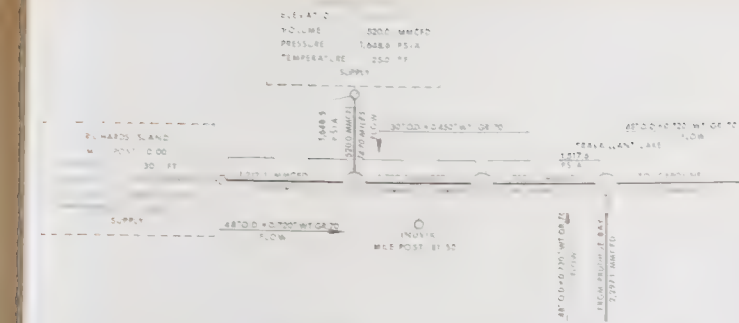
RICHARDS ISLAND TO TRAVAILLANT LAKE

GAS SUPPLY LINE

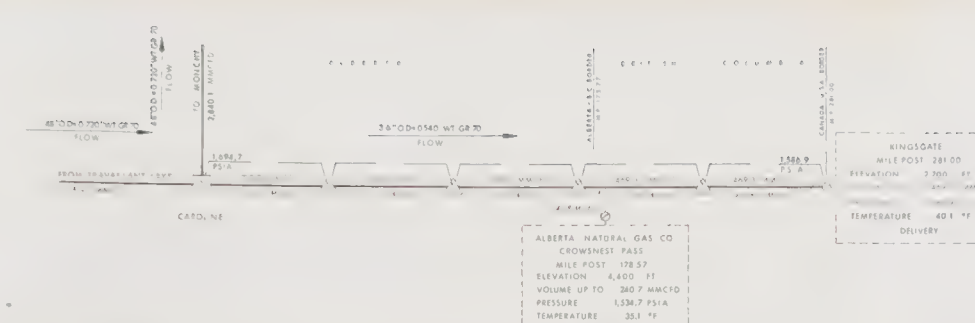


STATION NUMBER	M-03	M-04	M-05	M-06	M-07	M-08	M-09	M-10	M-11	M-12	ME-13	ME-14	ME-15	ME-16	ME-17	ME-18	ME-19	M-20	M-21	M-22	M-23	M-24	M-25	M-26	M-27	M-28	M-29	M-30	M-31	M-32	M-33	M-34	M-35	M-36	M-37	M-38	M-39	M-40	M-41	M-42	M-43	M-44	M-45	M-46	M-47	M-48	M-49	M-50	M-51	M-52	M-53	M-54	M-55	M-56	M-57	M-58	M-59	M-60	M-61	M-62	M-63	M-64	M-65	M-66	M-67	M-68	M-69	M-70	M-71	M-72	M-73	M-74	M-75	M-76	M-77	M-78	M-79	M-80	M-81	M-82	M-83	M-84	M-85	M-86	M-87	M-88	M-89	M-90	M-91	M-92	M-93	M-94	M-95	M-96	M-97	M-98	M-99	M-100	M-101	M-102	M-103	M-104	M-105	M-106	M-107	M-108	M-109	M-110	M-111	M-112	M-113	M-114	M-115	M-116	M-117	M-118	M-119	M-120	M-121	M-122	M-123	M-124	M-125	M-126	M-127	M-128	M-129	M-130	M-131	M-132	M-133	M-134	M-135	M-136	M-137	M-138	M-139	M-140	M-141	M-142	M-143	M-144	M-145	M-146	M-147	M-148	M-149	M-150	M-151	M-152	M-153	M-154	M-155	M-156	M-157	M-158	M-159	M-160	M-161	M-162	M-163	M-164	M-165	M-166	M-167	M-168	M-169	M-170	M-171	M-172	M-173	M-174	M-175	M-176	M-177	M-178	M-179	M-180	M-181	M-182	M-183	M-184	M-185	M-186	M-187	M-188	M-189	M-190	M-191	M-192	M-193	M-194	M-195	M-196	M-197	M-198	M-199	M-200	M-201	M-202	M-203	M-204	M-205	M-206	M-207	M-208	M-209	M-210	M-211	M-212	M-213	M-214	M-215	M-216	M-217	M-218	M-219	M-220	M-221	M-222	M-223	M-224	M-225	M-226	M-227	M-228	M-229	M-230	M-231	M-232	M-233	M-234	M-235	M-236	M-237	M-238	M-239	M-240	M-241	M-242	M-243	M-244	M-245	M-246	M-247	M-248	M-249	M-250	M-251	M-252	M-253	M-254	M-255	M-256	M-257	M-258	M-259	M-260	M-261	M-262	M-263	M-264	M-265	M-266	M-267	M-268	M-269	M-270	M-271	M-272	M-273	M-274	M-275	M-276	M-277	M-278	M-279	M-280	M-281	M-282	M-283	M-284	M-285	M-286	M-287	M-288	M-289	M-290	M-291	M-292	M-293	M-294	M-295	M-296	M-297	M-298	M-299	M-300	M-301	M-302	M-303	M-304	M-305	M-306	M-307	M-308	M-309	M-310	M-311	M-312	M-313	M-314	M-315	M-316	M-317	M-318	M-319	M-320	M-321	M-322	M-323	M-324	M-325	M-326	M-327	M-328	M-329	M-330	M-331	M-332	M-333	M-334	M-335	M-336	M-337	M-338	M-339	M-340	M-341	M-342	M-343	M-344	M-345	M-346	M-347	M-348	M-349	M-350	M-351	M-352	M-353	M-354	M-355	M-356	M-357	M-358	M-359	M-360	M-361	M-362	M-363	M-364	M-365	M-366	M-367	M-368	M-369	M-370	M-371	M-372	M-373	M-374	M-375	M-376	M-377	M-378	M-379	M-380	M-381	M-382	M-383	M-384	M-385	M-386	M-387	M-388	M-389	M-390	M-391	M-392	M-393	M-394	M-395	M-396	M-397	M-398	M-399	M-400	M-401	M-402	M-403	M-404	M-405	M-406	M-407	M-408	M-409	M-410	M-411	M-412	M-413	M-414	M-415	M-416	M-417	M-418	M-419	M-420	M-421	M-422	M-423	M-424	M-425	M-426	M-427	M-428	M-429	M-430	M-431	M-432	M-433	M-434	M-435	M-436	M-437	M-438	M-439	M-440	M-441	M-442	M-443	M-444	M-445	M-446	M-447	M-448	M-449	M-450	M-451	M-452	M-453	M-454	M-455	M-456	M-457	M-458	M-459	M-460	M-461	M-462	M-463	M-464	M-465	M-466	M-467	M-468	M-469	M-470	M-471	M-472	M-473	M-474	M-475	M-476	M-477	M-478	M-479	M-480	M-481	M-482	M-483	M-484	M-485	M-486	M-487	M-488	M-489	M-490	M-491	M-492	M-493	M-494	M-495	M-496	M-497	M-498	M-499	M-500	M-501	M-502	M-503	M-504	M-505	M-506	M-507	M-508	M-509	M-510	M-511	M-512	M-513	M-514	M-515	M-516	M-517	M-518	M-519	M-520	M-521	M-522	M-523	M-524	M-525	M-526	M-527	M-528	M-529	M-530	M-531	M-532	M-533	M-534	M-535	M-536	M-537	M-538	M-539	M-540	M-541	M-542	M-543	M-544	M-545	M-546	M-547	M-548	M-549	M-550	M-551	M-552	M-553	M-554	M-555	M-556	M-557	M-558	M-559	M-560	M-561	M-562	M-563	M-564	M-565	M-566	M-567	M-568	M-569	M-570	M-571	M-572	M-573	M-574	M-575	M-576	M-577	M-578	M-579	M-580	M-581	M-582	M-583	M-584	M-585	M-586	M-587	M-588	M-589	M-590	M-591	M-592	M-593	M-594	M-595	M-596	M-597	M-598	M-599	M-600	M-601	M-602	M-603	M-604	M-605	M-606	M-607	M-608	M-609	M-610	M-611	M-612	M-613	M-614	M-615	M-616	M-617	M-618	M-619	M-620	M-621	M-622	M-623	M-624	M-625	M-626	M-627	M-628	M-629	M-630	M-631	M-632	M-633	M-634	M-635	M-636	M-637	M-638	M-639	M-640	M-641	M-642	M-643	M-644	M-645	M-646	M-647	M-648	M-649	M-650	M-651	M-652	M-653	M-654	M-655	M-656	M-657	M-658	M-659	M-660	M-661	M-662	M-663	M-664	M-665	M-666	M-667	M-668	M-669	M-670	M-671	M-672	M-673	M-674	M-675	M-676	M-677	M-678	M-679	M-680	M-681	M-682	M-683	M-684	M-685	M-686	M-687	M-688	M-689	M-690	M-691	M-692	M-693	M-694	M-695	M-696	M-697	M-698	M-699	M-700	M-701	M-702	M-703	M-704	M-705	M-706	M-707	M-708	M-709	M-710	M-711	M-712	M-713	M-714	M-715	M-716	M-717	M-718	M-719	M-720	M-721	M-722	M-723	M-724	M-725	M-726	M-727	M-728	M-729	M-730	M-731	M-732	M-733	M-734	M-735	M-736	M-737	M-738	M-739	M-740	M-741	M-742	M-743	M-744	M-745	M-746	M-747	M-748	M-749	M-750	M-751	M-752	M-753	M-754	M-755	M-756	M-757	M-758	M-759	M-760	M-761	M-762	M-763	M-764	M-765	M-766	M-767	M-768	M-769	M-770	M-771	M-772	M-773	M-774	M-775	M-776	M-777	M-778	M-779	M-780	M-781	M-782	M-783	M-784	M-785	M-786	M-787	M-788	M-789	M-790	M-791	M-792	M-793	M-794	M-795	M-796	M-797	M-798	M-799	M-800	M-801	M-802	M-803	M-804	M-805	M-806	M-807	M-808	M-809	M-810	M-811	M-812	M-813	M-814	M-815	M-816	M-817	M-818	M-819	M-820	M-821	M-822	M-823	M-824	M-825	M-826	M-827	M-828	M-829	M-830	M-831	M-832	M-833	M-834	M-835	M-836	M-837	M-838	M-839	M-840	M-841	M-842	M-843	M-844	M-845	M-846	M-847	M-848	M-849	M-850	M-851	M-852	M-853	M-854	M-855	M-856	M-857	M-858	M-859	M-860	M-861	M-862	M-863	M-864	M-865	M-866	M-867	M-868	M-869	M-870	M-871	M-872	M-873	M-874	M-875	M-876	M-877	M-878	M-879	M-880	M-881	M-882	M-883	M-884	M-885	M-886	M-887	M-888	M-889	M-890	M-891	M-892	M-893	M-894	M-895	M-896	M-897	M-898	M-899	M-900	M-901	M-902	M-903	M-904	M-905	M-906	M-907	M-908	M-909	M-910	M-911	M-912	M-913	M-914	M-915	M-916	M-917	M-918	M-919	M-920	M-921	M-922	M-923	M-924	M-925	M-926	M-927	M-928	M-929	M-930	M-931	M-932	M-933	M-934	M-935	M-936	M-937	M-938	M-939	M-940	M-941	M-942	M-943	M-944	M-945	M-946	M-947	M-948	M-949	M-950	M-951	M-952	M-953	M-954	M-955	M-956	M-957	M-958	M-959	M-960	M-961	M-962	M-963	M-964	M-965	M-966	M-967	M-968	M-969	M-970	M-971	M-972	M-973	M-974	M-975	M-976	M-977	M-978	M-979	M-980	M-981	M-982	M-983	M-984	M-985	M-986	M-987	M-988	M-989	M-990	M-991	M-992	M-993	M-994	M-995	M-996	M-997	M-998	M-999	M-1000
STATION W.E.P.O.S.T	176.50	177.10	219.62	262.86	310.00	356.89	400.23	443.37	489.83	534.22	583.14	621.80	669.26	719.46	753.29	809.85	2	856.46	901.86	982.14	1,020.29	1,061.47	1,108.23	1,148.80	1,190.20	1,229.68	1,263.21	1,300.00	1,339.00	1,379.00	1,419.00	1,459.00	1,499.00	1,539.00	1,579.00	1,619.00	1,659.00	1,699.00	1,739.00	1,779.00	1,819.00	1,859.00	1,899.00	1,939.00	1,979.00	2,019.00	2,059.00	2,099.00	2,139.00	2,179.00	2,219.00	2,259.00	2,299.00	2,339.00	2,379.00	2,419.00	2,459.00	2,499.00	2,539.00	2,579.00	2,619.00	2,659.00	2,699.00	2,739.00	2,779.00	2,819.00	2,859.00	2,899.00	2,939.00	2,979.00	3,019.00	3,059.00	3,099.00	3,139.00	3,179.00	3,219.00	3,259.00	3,299.00	3,339.00	3,379.00	3,419.00	3,459.00	3,499.00	3,539.00	3,579.00	3,619.00	3,659.00	3,699.00	3,739.00	3,779.00	3,819.00	3,859.00	3,899.00	3,939.00	3,979.00	4,019.00	4,059.00	4,099.00	4,139.00	4,179.00	4,219.00	4,259.00	4,299.00	4,339.00	4,379.00	4,419.00	4,459.00	4,499.00	4,539.00	4,579.00	4,619.00	4,659.00	4,699.00	4,739.00	4,779.00	4,819.00	4,859.00	4,899.00	4,939.00	4,979.00	5,019.00	5,059.00	5,099.00	5,139.00	5,179.00	5,219.00	5,259.00	5,299.00	5,339.00	5,379.00	5,419.00	5,459.00	5,499.00	5,539.00	5,579.00	5,619.00	5,659.00	5,699.00	5,739.00	5,779.00	5,819.00	5,859.00	5,899.00	5,939.00	5,979.00	6,019.00	6,059.00	6,099.00	6,139.00	6,179.00	6,219.00	6,259.00	6,299.00	6,339.00	6,379.00	6,419.00	6,459.00	6,499.00	6,539.00	6,579.00	6,619.00	6,659.00	6,699.00	6,739.00	6,779.00	6,819.00	6,859.00	6,899.00	6,939.00	6,979.00	7,019.00	7,059.00	7,099.00	7,139.00	7,179.00	7,219.00	7,259.00	7,299.00	7,339.00	7,379.00	7,419.00	7,459.00	7,499.00	7,539.00	7,579.00	7,619.00	7,659.00	7,699.00	7,739.00	7,779.00	7,819.00	7,859.00	7,899.00	7,939.00	7,979.00	8,019.00	8,059.00	8,099.00	8,139.00	8,179.00	8,219.00	8,259.00	8,299.00	8,339.00	8,379.00	8,419.00	8,459.00	8,499.00	8,539.00	8,579.00	8,619.00	8,659.00	8,699.00	8,739.00	8,779.00	8,819.00	8,859.00	8,899.00	8,939.00	8,979.00	9,019.00	9,059.00	9,099.00	9,139.00	9,179.00	9,219.00	9,259.00	9,299.00	9,339.00	9,379.00	9,419.00	9,459.00	9,499.00	9,539.00	9,579.00	9,619.00	9,659.00	9,699.00	9,739.00	9,779.00	9,819.00	9,859.00	9,899.00	9,939.00	9,979.00	10,019.00	10,059.00	10,099.00	10,139.00	10,179.00	10,219.00	10,259.00	10,299.00	10,339.00	10,379.00	10,419.00	10,459.00	10,499.00	10,539.00	10,579.00	10,619.00	10,659.00	10,699.00	10,739.00	10,779.00	10,819.00	10,859.00	10,899.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										





TRAVAILLANT LAKE  
PLY LINE



CAROLINE to KINGSGATE  
GAS DELIVERY LINE

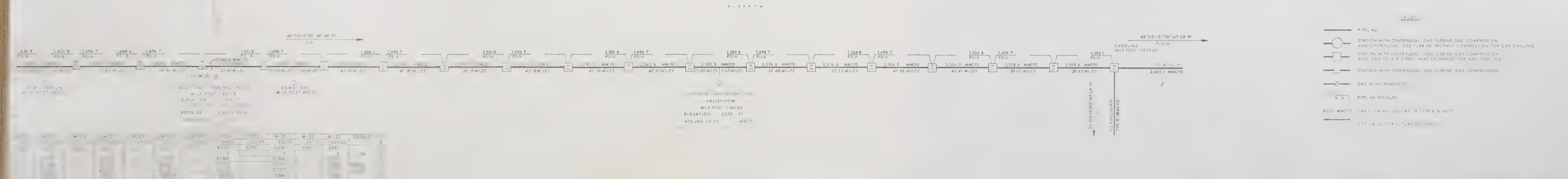


CAROLINE to MONCHY  
GAS DELIVERY LINE

STATION NUMBER	M-1	M-2	TOTALS
1. STATION ELEVATION (FEET)	2674	9442	
2. STATION ELEVATION (FEET)	472	300	
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)			
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)			
5. TOTAL GAS COMPRESSOR HORSEPOWER (ISO) PROPOSED			
6. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED			
7. GAS VOLUME INTO STATION (MMCFD)			
8. STATION FUEL GAS (MMCFD)			
9. GAS COMPRESSOR SECTION PRESSURE (PSIA)			
10. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
11. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
12. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
13. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
14. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
15. GAS COMPRESSOR SECTION TEMPERATURE (°F)			
16. STATION OUTLET GAS TEMPERATURE (°F)			
17. CHILLING COOLING DUTY (TONS) REQUIRED			
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED			
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)			
20. TOTAL PROpane COMPRESSOR HORSEPOWER (ISO) PROPOSED			
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED			

STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
1. STATION ELEVATION (FEET)	6489	12324	17399	23430	
2. STATION ELEVATION (FEET)	6,030	4,480	6,820	5,500	
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)					
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)					
5. TOTAL GAS COMPRESSOR HORSEPOWER (ISO) PROPOSED					
6. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					
7. GAS VOLUME INTO STATION (MMCFD)					
8. STATION FUEL GAS (MMCFD)					
9. GAS COMPRESSOR SECTION PRESSURE (PSIA)					
10. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
11. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
12. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
13. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
14. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
15. GAS COMPRESSOR SECTION TEMPERATURE (°F)					
16. STATION OUTLET GAS TEMPERATURE (°F)					
17. CHILLING COOLING DUTY (TONS) REQUIRED					
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED					
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)					
20. TOTAL PROpane COMPRESSOR HORSEPOWER (ISO) PROPOSED					
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED					

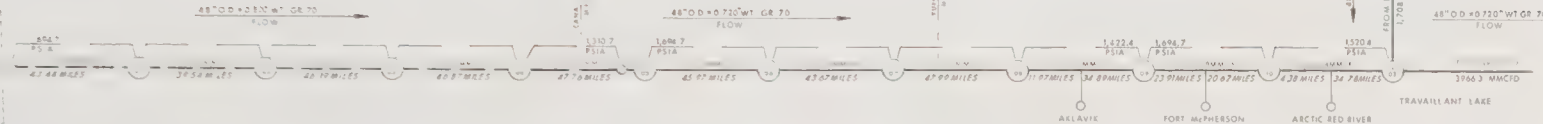
STATION NUMBER	E-06	E-07
1. STATION ELEVATION (FEET)	3350	4883
2. STATION ELEVATION (FEET)		
3. NUMBER OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)		
4. SIZE OF GAS COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)		
5. TOTAL GAS COMPRESSOR HORSEPOWER (ISO) PROPOSED		
6. TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED		
7. GAS VOLUME INTO STATION (MMCFD)		
8. STATION FUEL GAS (MMCFD)		
9. GAS COMPRESSOR SECTION PRESSURE (PSIA)		
10. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
11. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
12. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
13. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
14. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
15. GAS COMPRESSOR SECTION TEMPERATURE (°F)		
16. STATION OUTLET GAS TEMPERATURE (°F)		
17. CHILLING COOLING DUTY (TONS) REQUIRED		
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED		
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (ISO HORSEPOWER)		
20. TOTAL PROpane COMPRESSOR HORSEPOWER (ISO) PROPOSED		
21. TOTAL PROpane COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED		



TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE

- STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSION AND CENTRIFUGAL GAS TURBINE PROpane COMPRESSION FOR GAS CHILLING
- STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSION AND GAS TO AIR DIRECT HEAT EXCHANGER FOR GAS COOLING
- STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION
- GAS MEASUREMENT PT
- PIPE, LINE PRESSURE
- 4523 MMCFD GAS FLOWING VOLUME (473 PSIA & 50°F)
- 50% VALVE FOR FUEL GAS DELIVERY

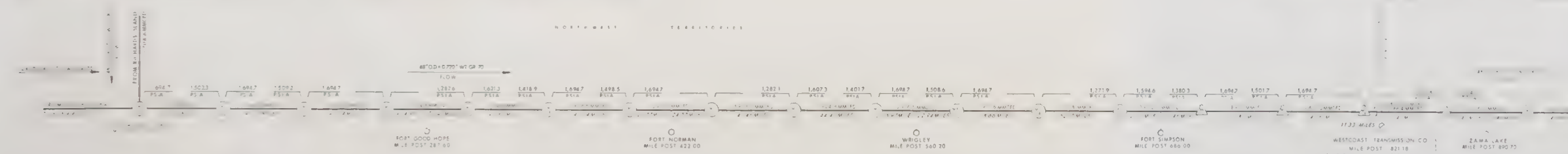


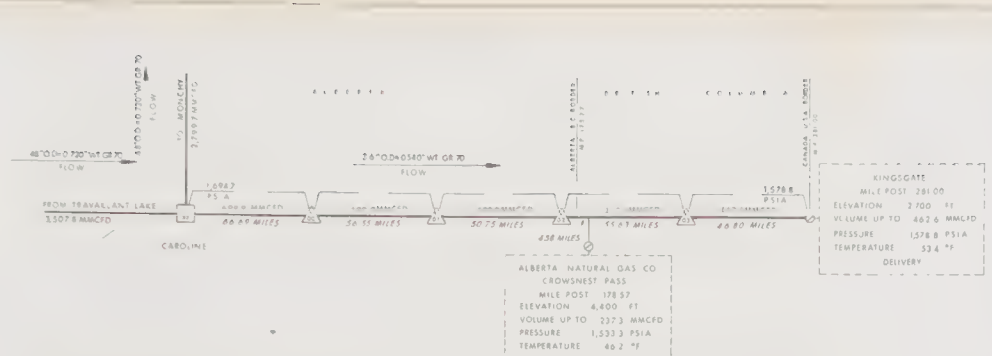
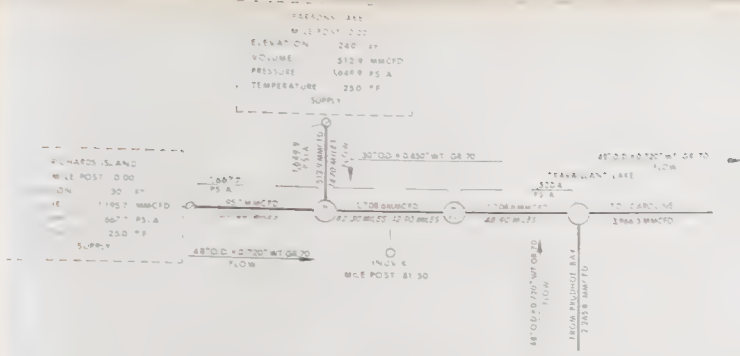


PRUDHOE BAY to TRAVAILLANT LAKE  
GAS SUPPLY LINE

RICHARDS ISLAND to TRAVAILLANT LAKE  
GAS SUPPLY LINE

	STATION NAME	M.V.	M.V.Z	TOTAL Z
1	STATION M1POST	30.20	94.40	
2	TOTAL ON LEAVING (FEET)	470	320	
3	NUMBER OF GAS COMPRESSOR UNITS PROPOSED			
4	SIZE OF GAS COMPRESSOR (IN IS PROPOSED HORSEPOWER)			
5	SIZE OF GAS COMPRESSOR HORSEPOWER SO PROPOSED			
6	TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED			
7	GAS VOLUME INTO STATION (MMCFD)			
8	STATION FUEL GAS (MMCFD)			
9	GAS VOLUME OUT OF STATION (MMCFD)			
10	GAS COMPRESSOR SUCTION TEMPERATURE, °F			
11	GAS COMPRESSOR DISCHARGE TEMPERATURE, °F			
12	GAS COMPRESSOR RATIO			
13	GAS COMPRESSOR SUCTION TEMPERATURE, °F			
14	GAS COMPRESSOR DISCHARGE TEMPERATURE, °F			
15	STATION OUTLET GAS TEMPERATURE, °F			
16	CHILLING/COOLING DUTY (TONS) REQUIRED			
17	NUMBER OF PROPANE COMPRESSOR UNITS PROPOSED			
18	SIZE OF PROPANE COMPRESSOR UNITS PROPOSED			
19	TOTAL PROPANE COMPRESSOR HORSEPOWER SO PROPOSED			
20	TOTAL PROPANE COMPRESSOR HORSEPOWER ACTUAL REQUIRED			

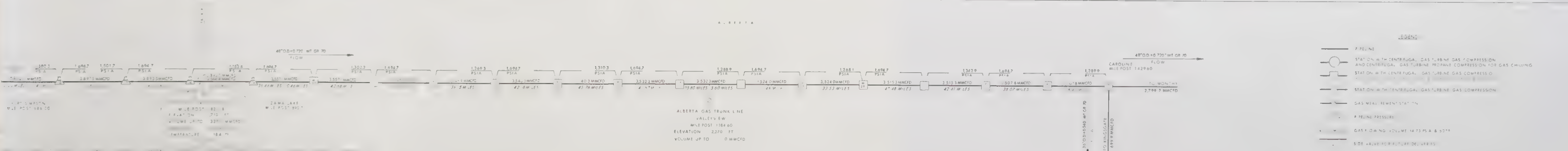




STATION NUMBER	M-C	M-C	TOTALS
1. STATION NUMBER			
2. STATION ELEVATION FEET			
3. STATION ELEVATION FEET			
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED			
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)			
6. TOTAL GAS COMPRESSOR HORSEPOWER, 50 HORSEPOWER			
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED			
8. GAS VOLUME INTO STATION (MMCFD)			
9. STATION FUEL GAS (MMCFD)			
10. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)			
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)			
12. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)			
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)			
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)			
15. STATION OUTLET GAS TEMPERATURE (°F)			
16. CHILLING COOLING DUTY (TONS) REQUIRED			
17. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED			
18. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)			
19. TOTAL PROpane COMPRESSOR HORSEPOWER, 50 HORSEPOWER			
20. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED			
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED			

STATION NUMBER	K-00	K-01	K-02	K-03	TOTALS
1. STATION NUMBER					
2. STATION ELEVATION FEET					
3. STATION ELEVATION FEET					
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED					
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
6. TOTAL GAS COMPRESSOR HORSEPOWER, 50 HORSEPOWER					
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED					
8. GAS VOLUME INTO STATION (MMCFD)					
9. STATION FUEL GAS (MMCFD)					
10. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)					
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)					
12. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)					
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)					
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)					
15. STATION OUTLET GAS TEMPERATURE (°F)					
16. CHILLING COOLING DUTY (TONS) REQUIRED					
17. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED					
18. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)					
19. TOTAL PROpane COMPRESSOR HORSEPOWER, 50 HORSEPOWER					
20. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED					
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED					

STATION NUMBER	E-00	E-01	E-02	E-03	E-04	E-05	E-06
1. STATION NUMBER							
2. STATION ELEVATION FEET							
3. STATION ELEVATION FEET							
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED							
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)							
6. TOTAL GAS COMPRESSOR HORSEPOWER, 50 HORSEPOWER							
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED							
8. GAS VOLUME INTO STATION (MMCFD)							
9. STATION FUEL GAS (MMCFD)							
10. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)							
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)							
12. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)							
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)							
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)							
15. STATION OUTLET GAS TEMPERATURE (°F)							
16. CHILLING COOLING DUTY (TONS) REQUIRED							
17. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED							
18. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)							
19. TOTAL PROpane COMPRESSOR HORSEPOWER, 50 HORSEPOWER							
20. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED							
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED							



STATION NUMBER	E-00	E-01	E-02	E-03	E-04	E-05	E-06
1. STATION NUMBER							
2. STATION ELEVATION FEET							
3. STATION ELEVATION FEET							
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED							
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)							
6. TOTAL GAS COMPRESSOR HORSEPOWER, 50 HORSEPOWER							
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUAL REQUIRED							
8. GAS VOLUME INTO STATION (MMCFD)							
9. STATION FUEL GAS (MMCFD)							
10. GAS COMPRESSOR DISCHARGE PRESSURE (PSIA)							
11. GAS COMPRESSOR SUCTION PRESSURE (PSIA)							
12. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)							
13. GAS COMPRESSOR SUCTION TEMPERATURE (°F)							
14. GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)							
15. STATION OUTLET GAS TEMPERATURE (°F)							
16. CHILLING COOLING DUTY (TONS) REQUIRED							
17. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED							
18. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (50 HORSEPOWER)							
19. TOTAL PROpane COMPRESSOR HORSEPOWER, 50 HORSEPOWER							
20. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED							
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUAL REQUIRED							

STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSION  
 AND CENTRIFUGAL GAS TURBINE PROpane COMPRESSION FOR GAS CHILLING  
 STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSION  
 STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSION  
 GAS REEL REWIND STATION  
 PIPELINE PRESSURE  
 GAS FLOWING VOLUME 10.75 PSIA & 50°F  
 SIZE VALVE FOR FUTURE DELIVERIES





1	STATION NUMBER	M-01	M-02	TOTALS
2	STATION MILEPOST			
3	STATION ELEVATION (FEET)			
4	NUMBER OF GAS COMPRESSOR UNITS PROPOSED			
5	SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)			
6	TOTAL GAS COMPRESSOR HORSEPOWER (SIC) PROPOSED			
7	TOTAL GAS COMPRESSOR HORSEPOWER (ACTUAL) REQUIRED			
8	GAS VOLUME INTO STATION (MMCFD)			
9	STATION FUEL GAS (MMCFD)			
10	GAS VOLUME OUT OF STATION (MMCFD)			
11	GAS COMPRESSOR SUCTION PRESS. (PSI) (A)			
12	GAS COMPRESSOR DISCHARGE PRESSURE (PSI) (A)			
13	GAS COMPRESSOR ON RATIO			
14	GAS COMPRESSOR SUCTION TEMPERATURE (°F)			
15	GAS COMPRESSOR DISCHARGE TEMPERATURE (°F)			
16	STATION OUTLET GAS TEMPERATURE (°F)			
17	CHLOROTRADING OUTLET(S) REQUIRED			
18	NUMBER OF PROPANE COMPRESSOR UNITS PROPOSED			
19	SIZE OF PROPANE COMPRESSOR UNITS PROPOSED (SIC) HORSEPOWER			
20	TOTAL PROPANE COMPRESSOR HORSEPOWER (SIC) PROPOSED			
21	TOTAL PROPANE COMPRESSOR HORSEPOWER ACTUAL REQUIRED			

RICHARDS ISLAND to TRAVAILLANT LAKE

GAS SUPPLY LINE

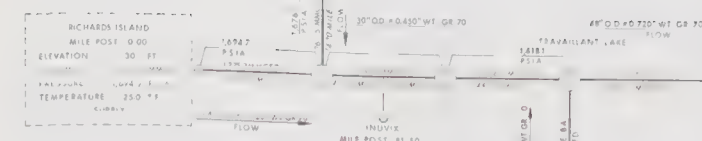
CAROLINE to MONCHY  
GAS DELIVERY LINE



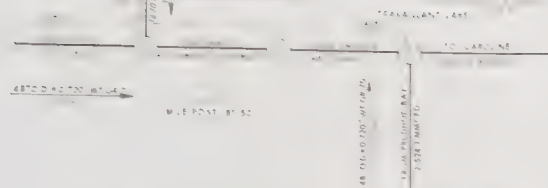






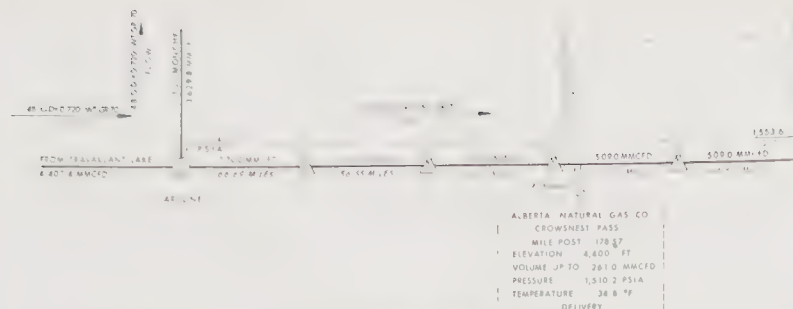


PACKING LOSS  
MILE POST 0.00  
ELEVATION 240 FT  
VOLUME 7815 MMCFD  
PRESSURE 1078.9 PSIA  
TEMPERATURE 25.0 °F



1. STATION NUMBER
2. STATION MILEPOST
3. STATION ELEVATION
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)
6. TOTAL GAS COMPRESSOR HORSEPOWER REQUIRED
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUALLY REQUIRED
8. GAS VOLUME INTO STATION MMCFD
9. STATION INLET GAS TEMPERATURE °F
10. GAS VOLUME OUT OF STATION MMCFD
11. GAS COMPRESSOR SUCTION PRESSURE PSIA
12. GAS COMPRESSOR DISCHARGE PRESSURE PSIA
13. GAS COMPRESSOR RATIO
14. GAS COMPRESSOR SUCTION TEMPERATURE °F
15. GAS COMPRESSOR DISCHARGE TEMPERATURE °F
16. STATION INLET GAS TEMPERATURE °F
17. STATION OUTLET GAS TEMPERATURE °F
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (HORSEPOWER)
20. TOTAL PROpane COMPRESSOR HORSEPOWER REQUIRED
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUALLY REQUIRED

TRAVAILLANT LAKE  
SUPPLY LINE



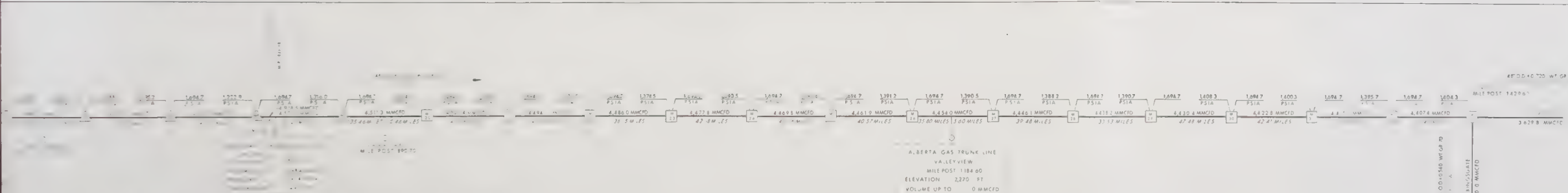
1. STATION NUMBER
2. STATION MILEPOST
3. STATION ELEVATION
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)
6. TOTAL GAS COMPRESSOR HORSEPOWER REQUIRED
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUALLY REQUIRED
8. GAS VOLUME INTO STATION MMCFD
9. STATION INLET GAS TEMPERATURE °F
10. GAS VOLUME OUT OF STATION MMCFD
11. GAS COMPRESSOR SUCTION PRESSURE PSIA
12. GAS COMPRESSOR DISCHARGE PRESSURE PSIA
13. GAS COMPRESSOR RATIO
14. GAS COMPRESSOR SUCTION TEMPERATURE °F
15. GAS COMPRESSOR DISCHARGE TEMPERATURE °F
16. STATION INLET GAS TEMPERATURE °F
17. STATION OUTLET GAS TEMPERATURE °F
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (HORSEPOWER)
20. TOTAL PROpane COMPRESSOR HORSEPOWER REQUIRED
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUALLY REQUIRED

CAROLINE to KINGSGATE  
GAS DELIVERY LINE



CAROLINE to MONCHY  
GAS DELIVERY LINE

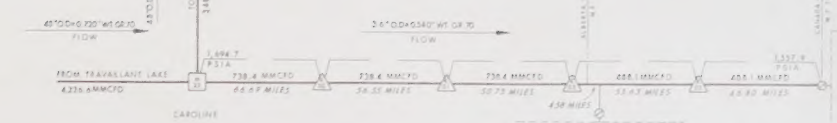
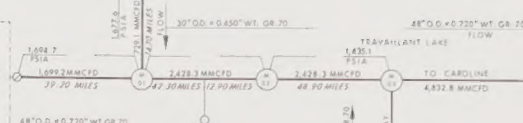
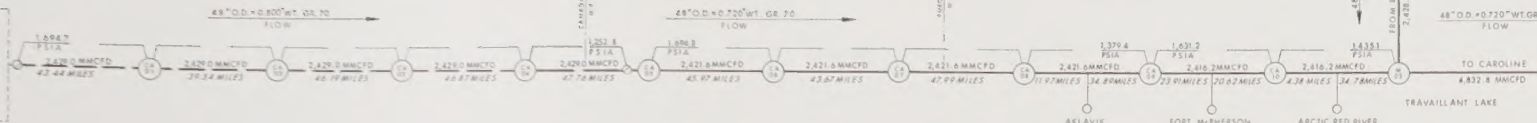
1. STATION NUMBER
2. STATION MILEPOST
3. STATION ELEVATION
4. NUMBER OF GAS COMPRESSOR UNITS PROPOSED
5. SIZE OF GAS COMPRESSOR UNITS PROPOSED (HORSEPOWER)
6. TOTAL GAS COMPRESSOR HORSEPOWER REQUIRED
7. TOTAL GAS COMPRESSOR HORSEPOWER ACTUALLY REQUIRED
8. GAS VOLUME INTO STATION MMCFD
9. STATION INLET GAS TEMPERATURE °F
10. GAS VOLUME OUT OF STATION MMCFD
11. GAS COMPRESSOR SUCTION PRESSURE PSIA
12. GAS COMPRESSOR DISCHARGE PRESSURE PSIA
13. GAS COMPRESSOR RATIO
14. GAS COMPRESSOR SUCTION TEMPERATURE °F
15. GAS COMPRESSOR DISCHARGE TEMPERATURE °F
16. STATION INLET GAS TEMPERATURE °F
17. STATION OUTLET GAS TEMPERATURE °F
18. NUMBER OF PROpane COMPRESSOR UNITS PROPOSED
19. SIZE OF PROpane COMPRESSOR UNITS PROPOSED (HORSEPOWER)
20. TOTAL PROpane COMPRESSOR HORSEPOWER REQUIRED
21. TOTAL PROpane COMPRESSOR HORSEPOWER ACTUALLY REQUIRED



TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE

1. STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSOR AND CENTRIFUGAL GAS TURBINE PROpane COMPRESSOR FOR GAS COOLING
2. STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSOR AND GAS TO AIR DIRECT HEAT EXCHANGE FOR GAS COOLING
3. STATION WITH CENTRIFUGAL GAS TURBINE GAS COMPRESSOR
4. GAS MEASUREMENT STATION
5. PIPELINE PRESSURE
6. 4523 MMCFD GAS FLOWING VOLUME IN 73 PSIA & 60°F
7. SIDE VALVE FOR FUTURE DELIVERIES

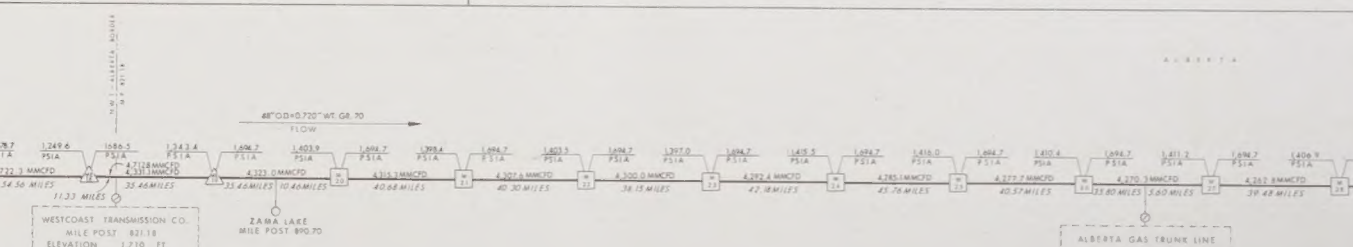




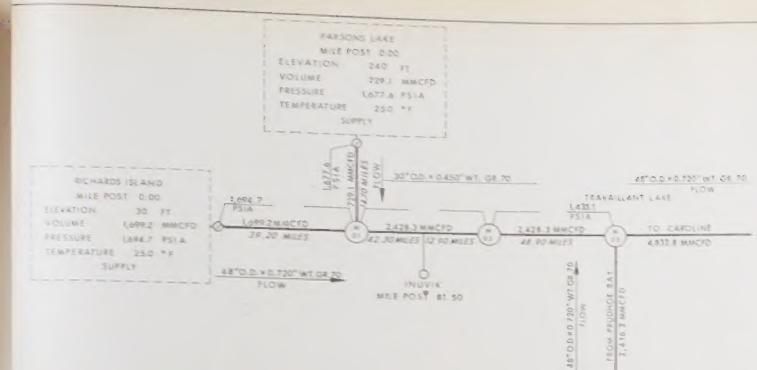
PRUDHOE BAY to TRAVAILLANT LAKE  
GAS SUPPLY LINE

RICHARDS ISLAND to TRAVAILLANT LAKE  
GAS SUPPLY LINE

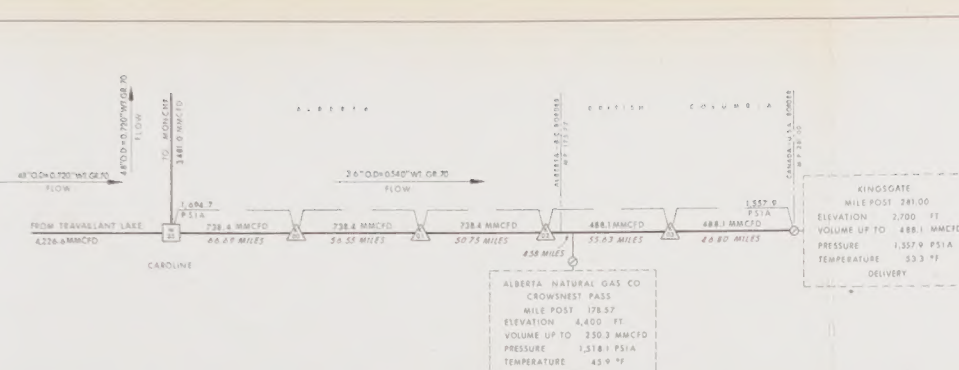
CAROLINE to KIN  
GAS DELIVERY



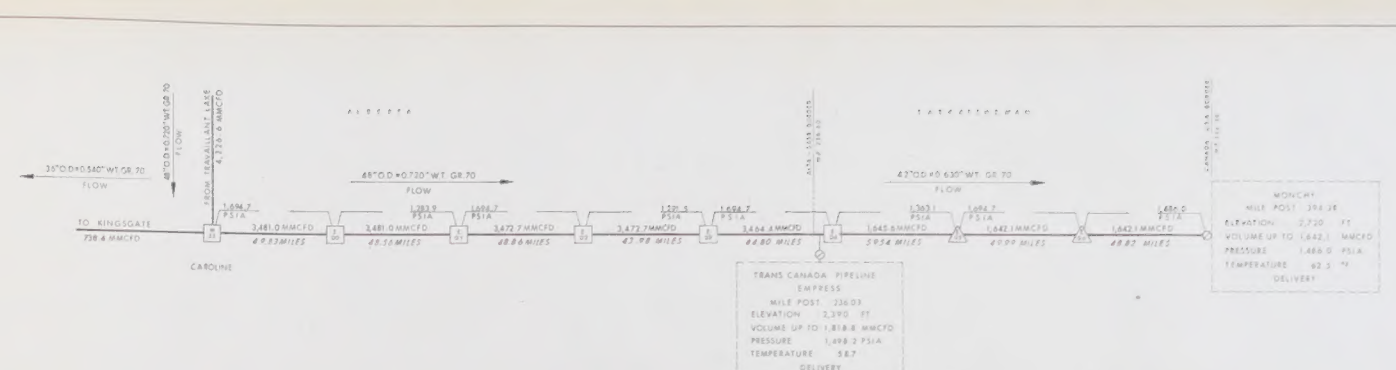




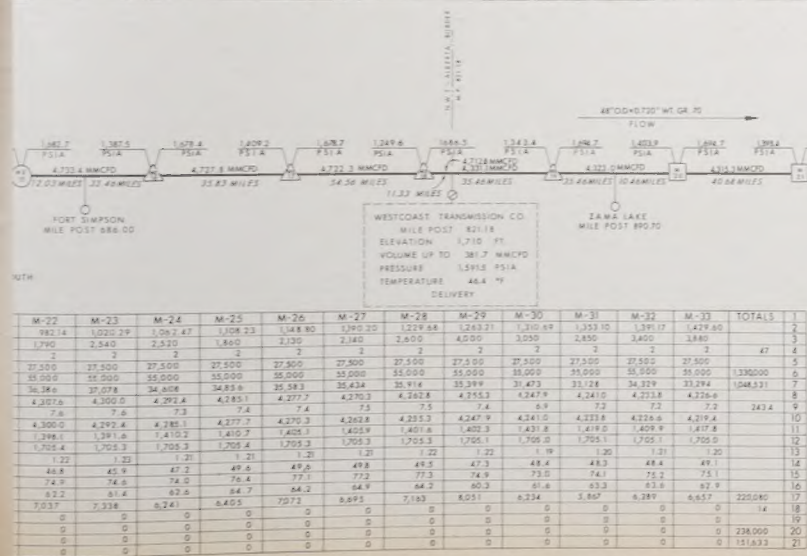
TRAVAILLANT LAKE  
PPLY LINE



CAROLINE to KINGSGATE  
GAS DELIVERY LINE



CAROLINE to MONCHY  
GAS DELIVERY LINE



TRAVAILLANT LAKE to CAROLINE  
(EAST FORT SIMPSON ROUTE REALIGNMENT)  
MAINLINE

ALBERTA

ALBERTA GAS TRUNK LINE  
VALLEY VIEW  
MILE POST 188.40  
ELEVATION 2,270 FT  
VOLUME UP TO 0 MMCFD

- LEGEND
- PIPELINE
  - STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION AND CENTRIFUGAL-GAS TURBINE PROpane COMPRESSION FOR GAS CHILLING
  - STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION AND GAS TO AIR DIRECT HEAT EXCHANGE FOR GAS COOLING
  - STATION WITH CENTRIFUGAL-GAS TURBINE GAS COMPRESSION
  - GAS MEASUREMENT STATION
  - PIPELINE PRESSURE
  - GAS FLOWING VOLUME (14.73 PSIA & 60°F)
  - SIDE VALVE FOR FUTURE DELIVERIES

DESIGNED BY: D.C.  
DRAWN BY: D.C.  
CHECKED BY: D.C.  
ENGINEER: D.C.  
PROJECT MANAGER: D.C.

NORTHERN ENGINEERING SERVICES  
NORTHERN COMPANY LIMITED  
CANADIAN ARCTIC GAS PIPELINE LIMITED  
FLOW DIAGRAM  
MAXIMUM CAPACITY  
AVERAGE SUMMER CONDITIONS-OPERATING YEAR 5

SCALE: 1" = 1000'  
DATE: 10/1/80  
PROJECT NO: 80-01  
DRAWING NO: 80-01





